5	SEQ ID NO:6132 SEQUENCE LENGTH:21 SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY:linear CLONE:HUMGS07290 SEQUENCE DESCRIPTION: GATCATAAAT AAATGTTTAA A	01
	UNICATAAN AANIUTTAA A	21
10	SEQ ID NO:6133	
	SEQUENCE LENGTH: 331	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
15	CLONE: HUMGS07291	
	SEQUENCE DESCRIPTION:	
	GATCATTTTC AAAAATTGCA TTGGGGCCTT CGTTATTTAC CATAGTATTT NCACTTTCAT	
	AGTTTTGTCA CCTTTTTGTA CTGTGAACAG TTCAACCAGT GACCGACTTC TCTCTCATGC	
20	TGTTTACCCC ACACACATT TCCCACTCAA TTCTGAAAAT AAGAACCTGT TAATAGGTTG	
	GAAAGCTGTG TACTCTATTC ATATATTGTC CTTTCATGCT AGTGGAGAGT GGTGTCATTA	
	GCATCTNAAT TTTAGAGTTG TGNAATGATT TTNCCAATTA GGAATTGANT GTGTATTTNT	
	NTCCTGTTTA ATAAGNNGNG CAAATNTGNT N	331
25	SEQ ID NO:6134	
25	SEQUENCE LENGTH: 40	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS07292	
30	SEQUENCE DESCRIPTION:	
	GATCTTAAAA CAAAATGAAA TAAACGTGAA AAGGAGCAAA	40
	SEQ ID NO:6135	
35	SEQUENCE LENGTH:53	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS07293	
40	SEQUENCE DESCRIPTION:	
40	GATCGTGAAT AGTAAGTATC ACTTCCATAA ATAGAAAGTG TCAGAAAAAT AAA	53
	SEQ ID NO:6136	
	SEQUENCE LENGTH: 336	
45	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO7294	
	SEQUENCE DESCRIPTION:	
50	GATCTTGAAA GAGGTAAAAT AAACCTTCAC TGCTCCACTC CAGGTGAATC CGCCCACTCC	60
50	CACTGACCTA GTAGAATTTG TAATTTAATA CTTACCTTCT ATTTCTGAAA TCAGTTGTGA	120

	ACT	GTTGCCT TATGTTCAGA	GGTTTAAGAA	CCTCAGTGAA	TTCATTTTTT	AAAATCTGCT	180
	ATT	CTGAGAA GCATTGAATG	AATTCTTAAC	AAGAAGNCTC	ATCTGTAGCT	GTTTGCTGAC	240
	TÇC	TATGAGC CCATAAGGGT	TCTGTGCTTA	GCATTAACAA	ANTAAGGTTT	ATAGGGTAAA	300
5	AGC	CAATGTA TTANTTTTT	TTTGCATGGG	GGGCNN			336
	cro	ID NO:6137					
	•	UENCE LENGTH: 235					
		UENCE TYPE:nucleic	anid				
10		OLOGY:linear	acru				
		NE:HUMGS07295					
		UENCE DESCRIPTION:					
		CTAGGAC ACTCATATCC	AGGGTGATTC	TCTTCATAAG	GAGGCATGGG	CTGAGTCTCC	60
15	A T-T	TATAGGG GCTGTCCCCA					
15		TTACCTG ATTCTCACAG					
		TTTTCTT CCTCATTTAC					235
	SEQ	ID NO:6138					
20	SEQ	UENCE LENGTH: 142					
	SEQ	UENCE TYPE:nucleic	acid				
	TOP	OLOGY:linear					
	CLO	NE:HUMGS07296					
25		UENCE DESCRIPTION:					
		CCAGGAT GACTGTACAT					
		GTCCCTG CACACTATCC		TGTGTGACCC	TCCGCCCCAC	CATGAATAAA	120
	CAC	ITTCTTA TACAGACTCA	AA				142
30	SEO.	ID NO:6139					
30	-	UENCE LENGTH: 277					
	•	UENCE TYPE: nucleic	acid				
	-	DLOGY:linear	acru	•			
		NE: HUMGS07297					
35		UENCE DESCRIPTION:					
	GATO	CCGCCAA GCAGGGCAGT	ATCTGGGTTA	CAGCCACAGC	AGGAAGAACC	ACTGGAGAGA	60
		CAGAAG GACTTCCCTG					
		CCACCT GCTTCTAAAA					
40	GGNO	GONTGON GGCTTTAACC	NCCAAAGGGT	TCCTGAAGCC	CNGGAACTTG	GANTNTGGAG	240
	GGGG	GTTNNGG CCTTANTTGA	GGGTTGGTGG	GTTTCNN			277
		** via a					
		ID NO:6140					
45	- · •	JENCE LENGTH: 247	.,				
	SEAL	JENCE TYPE:nucleic	acid			•	
		DLOGY:linear WE:HUMGS07298					
		IENCE DESCRIPTION:	•				
	- · •	CAGAAAA CATTGATTTA	TATTTAAA44	TACCATATTO	CACCCATTCT	CTT	60
50	UALL	Alliablias anamun	TATELLARAM.	DILALADUAL	UAULLALINI	LILAUALAAT	DU

	TNNCAAGGCA AGANCAAGCC	TGCAATAAAT	AATGAGACTT	TGACATTCCT	TGGCGAAGAA	120
	GATGTCTCCT GCCCTAATAT	GACTGTCACT	CAGCAATTTC	ANTTTTNTGT	TTACTTGATT	180
	TANAANGGGA GGATAANTTG	TCCTGANAAG	TTTTTTTGTT	TCCTTAACAT	TTCANNGTTT	240
5	TCNCTGN					247
	SEQ ID NO:6141					
	SEQUENCE LENGTH: 228					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07299					
	SEQUENCE DESCRIPTION:					
	GATCCCTGAT GGGATGCCTG	AAACCCAAAA	TACTCTTAAG	TCTTGTATTC	TAGGGCCTTC	60
15	TAAGGCAAAA NATTGAGAGA					
	TTTGACTAGT TATGATGGTC				TGTAAGATGG	180
	GGACANTTAA TGTNTATNCN	CTGTCCAANT	TCAANAGGTA	CAACNGAN		228
20	SEQ ID NO:6142					
	SEQUENCE LENGTH: 228					
	SEQUENCE TYPE:nucleic	acia				
	TOPOLOGY: linear CLONE: HUMGS07300					
25	SEQUENCE DESCRIPTION:	474744446	1011110100	ተተ ተረሰረ ተተ	CATCACACAC	60
	GATCCACCTG TCTCTTGAAA CACAAAGATT AAAAGTTACT					
	TTTTCCCTCT TCCATACTGG					
	TNATCGTGCA ACAGNTTTGG				dicacticia	228
30	INAICUIGCA ACAGMIIIGG	INTIAMOCI	Inncididai	TTINCOAN		LLU.
	SEQ ID NO:6143					
	SEQUENCE LENGTH: 299					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS07301					
	SEQUENCE DESCRIPTION:					
	GATCCTCTGA TATACAATTA	GAGATATTTT	AATATAGNCC	CCAAGCATTC	TGTGCATAAA	60
	AGTTAACATT AGGCTGTGGT	GCAGTAACCA	TTTAATGTCG	AGGCTCTATT	TCGGAAATAC	120
40	ACTACAAATG TTAAAGTACG	TGGCTGTCCT	CTTAAGNCAC	TAGTAGAGCA	AAGCCTTAAT	180
	CATATCANCT TAATTCTGTT	ACACAATATG	TGTTTTTNAA	TATACTANCC	ATTTCTNATG	240
	GAANGGTCCT GTGGGGNGCC	CNTCCTCTCG	CCANGCCATC	ACAGGCTCTG	CATACACGN	299
	SEQ ID NO:6144			-		
45	SEQUENCE LENGTH: 152					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07302		ē		-	
50	SEQUENCE DESCRIPTION:		-			

	GATCGGGTGC TAGGACAACT	GCAGTCCAAT	CCACCAGCTC	TCCNTGCCCC	TGTGTCTTAT	60
	TTCAGACATG AGAATAACTG	TACAGTGTAA	ACTTATAAAG	CGTTTTTAAT	GGTTGTAGAT	120
	TGGAAATAAA GTATGTCATA	TGAACAGCTA	AA			152
5						
	SEQ ID NO:6145					
	SEQUENCE LENGTH: 131					
•	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUNGS07303					
	SEQUENCE DESCRIPTION:					
	GATCCCACCT GCTCAGGCCG	TACACCTTAT	GGGGAGCCAT	TAAGGGGNCT	CATCTAGGCA	60
	TTCTGGNTAC AGCCCAGTGC	TCATCCCAGC	GTATGCTCCN	CTCTNTAGNG	CAGCCTAAAG	120
15	NGTCAGCCAC N	•				131
	OFO ID NO CLAC					
	SEQ ID NO:6146			•	•	
	SEQUENCE LENGTH: 154					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07304			•		
	SEQUENCE DESCRIPTION:					
	GATCTTCAGA GAAATAAAAC		-			
25	AGGNGTGGGA AAGATGGTAG			TAGAACGGTA	TTACGGCGNN	
	TGGNTATATA ATNCTTCCCN	GAATTGTCTG	ACTN			154
	SEQ ID NO:6147					
	SEQUENCE LENGTH: 251					•
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07305	•				
	SEQUENCE DESCRIPTION:					
35	GATCCAGTGC TATTCTGTCA	CCAACCTAAG	AATCCCAATT	GCACCTTCTG	TTTCTGACAG	60
33	TCACAGGTGA CAGCTGNGGN	TCTATAATAC	AGACTGGTGT	CTTAGAGGTA	GGAATAATAC	120
	ATGATTATNA AGCATCACCC	TGCTAATACA	TAATAATGTC	TTTTTATATT	ATAAGNGATT	180
	GAGTTTAGTT CATTNCAATA	CATTTGTACN	TGTAAAAANT	GCAANGTNGA	CCTNNGTAAT	240_
	CNTTTAATCG N					251
40						
	SEQ ID NO:6148					
	SEQUENCE LENGTH: 213					
•	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUNGS07306					
	SEQUENCE DESCRIPTION:			•		
	GATCTCGGAG ACTCNGTCCA	TTCTAAGATA	CCATGTTTCC	ATGACCCTAC	ACACAATAGC	60
	TACACAGGTG GAGCAACATG					120
50	AATGNANCTG GGGTGGTTAA					

	TCCTTCCCCA ATGTGACCAT	CTNNNNATTC	NAN			213
5	SEQ ID NO:6149 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic : TOPOLOGY:linear CLONE:HUMGSO7307	acid			•	
10	SEQUENCE DESCRIPTION: GATCAAGATG AATNTAATGT TTTNAGAATC AAACCTTTGG					60 113
15	SEQ ID NO:6150 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic : TOPOLOGY:linear CLONE:HUMGS07308	acid	·			
20 .	SEQUENCE DESCRIPTION: GATCTGTGCA TCTGGCCAGC GCATTCAGGA GTTAGTGGGT AAANCAAGAA GNACATTGTC TTTTCGCTTN TGTTAATNTG	CACGTTTGAC ATATTTNCTA	AAGGGCCAAT CCTTTTGTTT	AAAGAAATAT ATATAAATTT	GCAAAGACAA ATNTCANTGA	120
25	SEQ ID NO:6151 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic:	acid				
30	TOPOLOGY:linear CLONE:HUMGSO7309 SEQUENCE DESCRIPTION: GATCACAATT GTGGACATTA	AAACAGAAAC	TGTTCACACA	AA		42
35	SEQ ID NO:6152 SEQUENCE LENGTH:311 SEQUENCE TYPE:nucleic : TOPOLOGY:linear	acid				
40	CLONE:HUMGS07311 SEQUENCE DESCRIPTION: GATCCAGCTT ATNCTTTAAT TACCCCTCCC TAAGCCCTTA	GTGTGTGCCG	AGCTTGCTTT	GTNATGTTGG	CAGGGGAGGG	120
45	GAGACCTGGG TGGTGACTGA GCTTGATTTT AGGTTTTATT CAGACTNTGT GGCCAGTTNA GAGNAGGGGT N	TTTTNATGAA	TGTCCAAATC	TGTGTTTCCC	CCTGCCATCC	240
50	SEQ ID NO:6153 SEQUENCE LENGTH:270					

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07312 SEQUENCE DESCRIPTION: GATCTNNGTG GGTAGCCTCA AGCTGGAGAC ATTGTCTGNC CTCACTGCCC ACTGGGTAGA 60	
10	GACACCTGGA TGACATTTCA GTACCCGCTG GCAGCTCCTC CCACTCATCC AGAGACGGCC 120 GGTGGGCAGG CGGGGAGAGC AGCTTTCCTT CCCTGGNGAG AACCGTCTTT ACCTCAGCTC 180 CTAGGGNCTC CAGCCAACAA AGCTNCAGCA CGGTGACTNG GTGATGGGNG ACCAATNNCA 240 GAAGTAAANN GACTGTAGAC CNATATTCCN 270	
15	SEQ ID NO:6154 SEQUENCE LENGTH:40 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07313	
20	SEQUENCE DESCRIPTION: GATCAAATTC TAAAATAAAG TTGCCTGTTG TGACTTTAAA 40	
25	SEQ ID NO:6155 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07315 SEQUENCE DESCRIPTION: GATCTATACT TAACATATTT AAAATAGTGA TGATTGAAAT AACTGCAAGG TATAGATGNA 60 ACTGAAGGNT TTCACATTCC TTTTTTGTTT ATCATTTGGA ATTTNCTGTA TTTANCTGNC 120 TAGAGANCAN 130	
35	SEQ ID NO:6156 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07316 SEQUENCE DESCRIPTION:	
40	GATCATATCA CTCAATGTGG CCATTAATAT TTCTGGAGAA GACACAAACC TATTTATAAT 60 ACTTTTNAAA AATCCGAAGT GATAATAAGA NTGTTTTTAC ATTGAAAGTA ATACTTAAGT 120 GTTTACATAA CATTCTGTAT GCACTCAAGA AAATAAAGTT TTGTTAATAC AAA 173	
45	SEQ ID NO:6157 SEQUENCE LENGTH:248 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07317	
50	SEQUENCE DESCRIPTION: GATCTCAGTT ACAGTTTTTT TITCCTTTTT AATTTCATTA TITTGGGTTT TIGGTTTTTG 60	

	CAGTCCTATT TATCTGCAGT	CGTATTAAGT	CCTATTGCTA	GAATAGGTTA	CTNNANGAAA	120
	GATTATATTC TGAAAGAAAA	ATAACTGACA	TTATATATAA	CCAATTAATT	TAANGTATTG	180
	CCATTTAAAT TACACACTGN	GAGCATGTCC	TATGCAGACA	ATAGATTTTN	CCTGTNCAAN	240
5	NHTTHHN					248
		•			i	
	SEQ ID NO:6158					
	SEQUENCE LENGTH: 187					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07318					
	SEQUENCE DESCRIPTION:					
	GATCCAGCAG CGCAGGCAGG	AGCTGGAGCA	GTCGCTGGTT	GTNCGCAACA	CCTAGGAGCC	60
15	CAAAAATAAG CAGCACGACG	GAACTTTCAG	CCGTGTCCCG	GGCCCCAGCA	TTTTNCCCCG	120
	GGCTCCAGCA TCACTCCTCT	GCCACCTTGG	GGTGTGGGGC	TGGATTAAAA	GTCATTCATC	180
	TGACAAA					187
	SEQ ID NO:6159					
20	SEQUENCE LENGTH:21					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07319					
25	SEQUENCE DESCRIPTION:				•	
	GATCATAAAT CCCTGTCTAA	A			•	21
	SEQ ID NO:6160					
	SEQUENCE LENGTH: 122					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07320					
	SEQUENCE DESCRIPTION:					
35	GATCAAACGT GCTTAAGAGC	TAACTCGTGA	CACTATGCAG	TATTGTTTGA	AGACCTGTTG	60
	TTCAACCTCT GTCTCTTTAT	GTTAACTGGA	TTTCTGCATT	AAATGACTGC	CCCCTTGTTA	120
	AA	•				122
	SEQ ID NO:6161					
40	SEQUENCE LENGTH: 125					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS07321					
45	SEQUENCE DESCRIPTION:					
70	GATCTCTGAC TCATTGTGGC	ATATGAGGTG	TAAAATNTTG	TCAAAAAAGA	ATCTGGTGTT	60
	TAAACCAAAA TCACACTATG	GTGGCATTAA	ACCGTTCACT	TTTAȚTCTAA	ACNNNANCCA	120
	NCGCN			*		125
50	SEQ ID NO:6162					

5	SEQUENCE LENGTH: 41 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07322 SEQUENCE DESCRIPTION: GATCTGTCCA CGACATGGAA		ATTTTCAGAA	A		41
10	SEQ ID NO:6163 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	·			
15	CLONE:HUMGS07323 SEQUENCE DESCRIPTION: GATCCTATAC GTGAAGGAAC CGTCATTATA GTTAGCAATT ANTANNGCAA NATCAGN					
20	SEQ ID NO:6164 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUNGS07324 SEQUENCE DESCRIPTION: GATCTTTTTT CTATGCGTAA TTTTAAAAAA TCTTTTGTTT		ATATATACTG	CAGTGTATCT	CACGTATTAA	60 88
30	SEQ ID NO:6165 SEQUENCE LENGTH:274 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUNGS07325 SEQUENCE DESCRIPTION: GATCTCTGTA TTTGTNTTTC CTGTNCTCTT AGATTGTNTT					
40	GACTAATATT GCTTGTATGG ACTGCTTACA ACTGCTTAAA TATTAAATCC TNGGTGGTAT	AACTACAGTA CTTTGTAGTG	CTGTGACTAA TGGACTTCAT	ACATGGAGCT	CAATGCAGCT	180
45	SEQ ID NO:6166 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07326	acid			·	,
50	SEQUENCE DESCRIPTION: GATCATGTTC AGAAAGGGAC	TCATTTGGTC	CCACTTTGTA	ACATGGGAAG	AGTAGAAGAG	60

	AAAATTAAAT GTGGAAATCA	TAAATGCTTT	TCTAACAGGG	TTATGCTATT	CTGTAACACT	120
	AAATGTCTGT CTTTTCTCTT	AAAAGATTAA	GTTTTATTAA	TTTTGTCATA	CATTTCTCTA	180
	TTTGANTATA TCTTAACCAT	TTTATGTTCC	AAATTCGTTT	TTTGTCCAAG	ACATTCTATC	240
5	AGANTTTING TIGCCTCTAT	AAATCTGAAA	ANTGGGTTCT	AGAATGTCCC	ACTTGCTGTC	300
	TCTNAGAGTN					310
•	SEQ ID NO:6167					
10	SEQUENCE LENGTH: 307					
70	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS07327					
	SEQUENCE DESCRIPTION:					
15	GATCCGCCCA CCTCAGCCTC					60
	CCTTAACCCC TCTTTAGATT	GGAAAAAATA	NTTACAACTT	TAAAAATAGC	TTAGTGTTGA	120
	ACCCTTTGGT AAACTAAAGA					
	TTNGTGAGAT TAAACAAGGC	TTGTATATGC	TTGACCTTTC	TTAANNTATG	TCCATGTCAT	240
	ACTATTATGA NTGTACATTT	TTATGAGTCA	TNANTATTNT	TTTCAAAANG	CGCTNCAGGC	300
20	CCNTGAN					307
						•
	SEQ ID NO:6168					
	SEQUENCE LENGTH: 74			•		
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS07328				•	
	SEQUENCE DESCRIPTION:					
	GATCAGAAAA TGTGTGACCT	TTTTAAAGTT	AAATTGTTAA	AAAATTTTAA	CTATTAANCA	
30	TTTTAAATAT TAAA			•		74
	CEO ID NO.CICO					
	SEQ ID NO:6169					
	SEQUENCE LENGTH: 71					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS 07329					
	SEQUENCE DESCRIPTION:	CT + C + C + + + C		0010700111	#444C444#4	60
	GATCTCAGAT GCTAGAAATA	GTAGACAAAG	AIGITATTIC	CUAGIGUAAA	IAAAGAAAIA	60 71
40	AAGATAGCAA A					11
	SEQ ID NO:6170					
	SEQUENCE LENGTH: 306					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear			•		
	CLONE: HUNGS07330					
	SEQUENCE DESCRIPTION:					
	GATCTCAATG TGCAAACTCC	TTGGACTCCA	GACCCCTGTC	TGGTTGGCAC	TCCCAGCAGT	60
50	GTGTGGTTTC ATCAGGAAAT					

	NAGCCTCCAT AGCATTGAAG GCCAGCCTGC ATCTCGCGGT GTGTGTCCAC TTCTCCNCTC 18	80
	ACTITCCCCT CACCCATCCC TITAAAGTGA TIGGCTGTNA GGNGCACAGA GGGTGGCAAT 24	40
5	TCCATCTGTN ATGGGNTCAG AAGGCATTNG CCGCCATTNT TGATTTNACA TTAAAACTGA 30 TGNAAN	00 06
	SEQ ID NO:6171	
	SEQUENCE LENGTH: 65	
10	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS07331	
	SEQUENCE DESCRIPTION:	
15	GATCTGTCTG TTGTTGGAAT TGAGATATTA AAATCCCCTA CTATTATAGC GTTCCTCCAG 6	60
10	TCAAA 6	35
	SEQ ID NO:6172	
	SEQUENCE LENGTH: 33	
20	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS07332	
	SEQUENCE DESCRIPTION:	
	GATCTTCCAG CACCAAATTT AGATGGCCTC AAA	3
25		-
	SEQ ID NO:6173	
	SEQUENCE LENGTH: 218	
	SEQUENCE TYPE: nucleic acid	
30	TOPOLOGY: linear	
00	CLONE: HUNGS07333	
	SEQUENCE DESCRIPTION:	
	GATCAAATGT GTGAGAAAAT CAATGGGTTT TAAAGACTAT TCTATGTCAA CTATAACATT 6	
	TAATTTGGGG ATTTCTGTCC CTTATAATGT CTACCTCATT TTGGATGGAA TCCTTGAGGC 12	0
35	CTGGTTTATT TTCCTTTNCC TTNCTACACA TCGCTGCTCA GAGTGATGAA TGGAGTTGTG 18	0
	TTTTGAATAA AATATCTATG CATCCNTTTG TGAGCAAA 21	
	SEQ ID NO:6174	
	SEQUENCE LENGTH: 186	
40	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS07334	
	SEQUENCE DESCRIPTION:	
45	GATCATGTTT TAACTAACTT CATTTTGTTG CTGAATCATA ATNNATGCTC TAATGACCTT 60	3
	TTCTTTCCTA TCCCAACCCT GTGTAATCTG CTCTATTTAG GGCTAATTGT TCCTTGTCTT 120	
	GTATGTATGT AATGTGTCCT NGTNTTCTTC CTCCTATTTN NTNCTCATAA AACTCCATCC 180)
	NNTTTN 186	
	· · · · · · · · · · · · · · · · · · ·	-
50	CPO IN NO CARE	

	SEQUENCE LENGTH: 152 SEQUENCE TYPE: nucleic	acid				•
_	TOPOLOGY: linear					
5	CLONE: HUMGS07335					
	SEQUENCE DESCRIPTION:	150 100 100 n		a)		
	GATCCATTCA ACTTGTGTGT TTTGGAATTT ATACAGTATG					
	TATTACTAAT AAAGCTGTTA			AUGAÇATIGI	TICCAATGCT	152
10	INTINCIANI ANNUCIUIIA	IUMACATICA	AA.	÷		132
	SEQ ID NO:6176					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS07336					
	SEQUENCE DESCRIPTION:					
	GATCTGTATT TAATGAGGAG					
20	GGACCTGTCC ACCTGANAGG					
	CCACAGTCCT GGCACTGCCC					
	TGCCCACTCA CCCCTNAGAC	TCCTNCTGNC	CATGCTGTGG	NCGGACTTGT	AAGCAN	236
	SEQ ID NO:6177					
25	SEQUENCE LENGTH: 148					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear				•	
	CLONE: HUMGS07337					
1.	SEQUENCE DESCRIPTION:					
30	GATCATGCCT GTGTTTACCC	TCTAAGCTGA	AGCTGCTCAT	CAACGGTGAG	ATGGCAAAAA	60
	GGTGGGTCCA GAAGAGGGGA		GTCTGTGAAA	ACAAAATGCT	GAAGANTCTG	120
	CATCAAATAA ACCCTTCCTT	CCTTCAAA				148
35	SEQ ID NO:6178					
33	SEQUENCE LENGTH: 155					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07338					
40	SEQUENCE DESCRIPTION:					
	GATCTCCTTA TTGACCACAG	ATTATTCCTC	TGTTCAGCAC	TCCTTATTCT	TATCCCTGTT	60
	ACAATTCTTA TTATGGTGCA			AAAACTGATA	TTAATTGANT	
	AAAATATTGT CTAGAGGTCT	CAGTCATTCT	TCAAA			155 .
45	SEQ ID NO:6179					
	SEQUENCE LENGTH: 198					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS07339					

	CRAHENCE DESCRIPTION.					
	SEQUENCE DESCRIPTION:				BO10101001	00
•	GATCATCTAG ACATAATTNC					
	TCATTATCAG ATTTATTACA					
5	CCTTCCCGAA ATCCGTAATG	ANTTTNTCCA	TGGTAACCCC	TCTCCTGTTT	TNACACAGNA	
	AAGTTTCTCT NGACTGTN					198
	SEQ ID NO:6180					
	SEQUENCE LENGTH: 188					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07340					
	SEQUENCE DESCRIPTION:					
15	GATCGCTGGT TTCCTCTGCA	GCGCGAGGGC	TCCGGCGACC	AGAGGATTCT	NCCCGGAAGG	60
,,	CATTCCTGCC GCGCTCCCNG					
	TATCCGTGCC CACGTAGATG					
	GGCTTAAA	AIGICIGIAA	CUMAGIIIIU	IIIUAAAIAI	UNUMNIALUU	188
	GGCI IAAA					100
20	SEQ ID NO:6181					
	•					
	SEQUENCE LENGTH: 135					
	SEQUENCE TYPE:nucleic	acio				
	TOPOLOGY: linear			•		
25	CLONE: HUMGS07341					
	SEQUENCE DESCRIPTION:					
	GATCAGTTTA TTATTGATAC					
	TCAGTAATCT CTTGGACTTT	GTTAAATATT	TTNCTGTGGT	AATATAGNGA	AGAATTAAAG	
	CAAGAANNTC TGAAA					135
30						
	SEQ ID NO:6182					
	SEQUENCE LENGTH: 226					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS07342					
	SEQUENCE DESCRIPTION:					
	GATCAGTTTT CCNAGTCTTT	GGGAAACGGG	TTGTGTTTTT	TNCCCTTTGC	CGTGTTGGAT	60
	TTCCGGTCCC GGCTGACACC	TCCCTTCGTG	TGTGCGNCCC	TCCCCACCCC	TGCCTTTGTN	120
40	TCGGTGCCCT GTGTCCGTTC	TCTNATGTGG	GGATGTTTGT	GCTGCAGACA	AAAAGAACAA	180
	NAAAAANTTT TTAAATACCA					226
	SEQ ID NO:6183					
	SEQUENCE LENGTH: 97		•			
45	SEQUENCE TYPE: nucleic	acid			_	,
	TOPOLOGY: linear				•	
	CLONE: HUNGS07343					
	SEQUENCE DESCRIPTION:					
50	CATCOTCACA TOCCOCCAC	CAATGTGGAT	CCCCTCCCCA	CTCCTGGGTT	TTCTCCCTCC	60

	CGACTCCCTA ATAAACCCCG	TGAACCTTGG	AGCCAAA			97
5	SEQ ID NO:6184 SEQUENCE LENGTH:321 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07344	acid				
10	SEQUENCE DESCRIPTION: GATCACCTTN AGTNCTNAGC CAGTCCAGAA GGAGCAATGG					60
15	NCGGTAGAGG AGAGGCCCAT AGGCAGCCAC CTGCCCTTNC TGGGAGTGGA GATGGAGGGA CCATCCCTGG GTAATGGATT	CACTGGTGTG TCTCCCTTAG TTATTGAGCA	GTGGGGTGGG TGTTCCCTGG	CTCTCCCTTA CCTCCCTGCC	GGCTTGGGCA ATCAGGTTGC	180 240
20	SEQ ID NO:6185 SEQUENCE LENGTH:292 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07345	acid				
25	SEQUENCE DESCRIPTION: GATCAGCTTG GAAGCTTAAA GAATATNATG TTCAGGGACA TGTATAAGTG TGTCCTTATA CATAACATGT ATAGCTGAGT	AATATAACTT CAAATTTNAG	TTNCTAAAAA GCCATAAACA	TGGCCATTGT AGTGTAAGTT	TTATGAAATC TGTACAATTT	120 180
30	TGTAACTGTG ATTTTGGTTT	TCAGTTATGT	GACTTGTTTT	TNCCACCNGA	AA	292
35	SEQ ID NO:6186 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07346 SEQUENCE DESCRIPTION:	acid				
40 .	GATCCATAAC AGAGATNCAN ACAAGGAGGG AAAGGTGTCT AATACATGTG TCCAGGNNGN	TCCTGCCCCT	TGATGCTCAA			
45	SEQ ID NO:6187 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07348 SEQUENCE DESCRIPTION:	acid				
50	GATCTTNAGT TGTTTTAATT GTACCATCTG AATTTTGCAT					

5	ACACTTAAAA TGGTACTCGG GGACCTCCAA AGACTAAACT GNCANGCCTT CAAGGNG AGGGGTACGT TANCTTGTCA ACGGCATGGT TTAATCCCTT CTTTACACTT GTGTAAA CAGTTACTGG TCATAGNNGG CTTTCAATGT TGCGTGGCCT NTTATTANCN TGTTTAT N	TTT 240
10	SEQ ID NO:6188 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07349	
15	SEQUENCE DESCRIPTION: GATCTTTATC AATATTCTGG ATTAGACAAC AAATNACCTT TCTGGGTGTT TCTTGTA TATACTCCTG TTTGAATGTT AAACTTTGTT GCTAAAGTTT AATTTTAAGA TGTTTGA TNCAGTTTAT GTATTTGANC TACAATAAAC CAACCCTTTT NATATATCTG TNTNGTA GATTATNGTN ACTTAATTNT NAN	ATG 120
20	SEQ ID NO:6189 SEQUENCE LENGTH:316 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS07350 SEQUENCE DESCRIPTION: GATCAAAGCA GGTGGGGCTT TGGGATGTGA AGTGGGTTCT NACGCGGGGC CCCACAG TGTCTCCGCG TGANTGCCTG CAGGCCCCTG CGTCATTCCT CAGCTGCGTG CGAGGCC	TCT 120
30	GGCTTGGAGA GCCTCCCCGC TGTGCACAGT TCTCTCTTTG CCAGGGCAGG GCTTGGG GCACCAGGCT GGGGCAGAGG AGGAAAGCAA GAGGACAGAC CTCCAGAAGA GCAGCGG GCGGGTGAGG ATTTCCCCAT ATACCAGTGT GTGTTCATCT ACCCATGAGG AATAAAA TGCAGCAGCA TGCAAA	AGG 240
35	SEQ ID NO:6190 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE: HUMGS07351 SEQUENCE DESCRIPTION: GATCCCCAGN ACTGCAGCCG AGCCCCGGGC TTCCTTTCTT ACCATTCTGT ATGCTTC GGTGTGACCA TTCAAACTAA CNNTATTATT AAGATTATTA ATAAAGATTT CTTTCTT ACCAGGAAA	
45	SEQ ID NO:6191 SEQUENCE LENGTH:293 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUNGS07352 SEQUENCE DESCRIPTION:	·

	GATCAGAATC AGAAAACAGG	TAAACCTCAC	TCACACATTT	GGACTCATTT	GAACAAAAAT	60
	CTAGGCCAAA ATACTGAAAA	GCCTATGTGT	TTTTTTTAATT	GGAAGTATAT	GTAAGGTTAA	120
	TGCATTTAGT GAACGTGACT	AACAAAGACT	AATGTGCACA	TTAACAGNTG	TNCTTTTTAA	180
5	GGTTTTATGG GAGGCTGTGC	ATTGCTCAAA	AGCTGTTGGG	AACGCCTTCT	GACCAGTTGC	240
	CTTCAGAACT AGTTTGNGCT	GCTCANTNAA	AANCCAGTGN	NTTTACTCNN	GGN	293
	SEQ ID NO:6192					
10	SEQUENCE LENGTH: 52			•		
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07353					
	SEQUENCE DESCRIPTION:					
15	GATCTGCATG TGTGACACTG	ATTCTTTGGA	AATAAAGAGT	GGAAGCTGCA	AA .	52
	SEQ ID NO:6193					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS07354				•	
	SEQUENCE DESCRIPTION:					
	GATCTAAATT TTAAAAATAG	GAATGAATCT	NTTAATTGCA	GCTTGTGGAG	AGTATAAAAC	60
25	ATTTTGAGCA CAATATGCAG	CACATAACTT	TTCAGATTGT	GTTTGCATAG	AAAAGGTTAA	120
	AATCAATTCT TTCAGTTACT	GTATTGTTCA	TTTCTTGTAA	AGGTCTTCCT	ACATTTGAGA	180
	CGAGACCCTT TAACATAGGC	TGCCTTAGTA	ACAAAATAAA	ACAGATGTGT	CATAAA	236
	SEQ ID NO:6194					
30	SEQUENCE LENGTH: 282			•		
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07355					
35	SEQUENCE DESCRIPTION:					
	GATCTAGAGG GNGGATTTCC	AGCCAGGGCT	GCTAGACGGA	GGCCTACTCT	TCCATCTTTC	60
	CTGATGGCAG GATGGCCTGG	CCAGGGCCTG	GAAGACAGAG	ACCTCCTGCC	TCCGCCTCAG	120
	TAAGACGACA AGGAAAGGCA					
	GTTCCCCATG CAGACATGAG				ACTCATCCCT	
40	AATGCTGCAG ATTTGGGCTG	GAACAGATTC	ACACTGTCTG	TN		282
	SEQ ID NO:6195					
	SEQUENCE LENGTH: 158					
45	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear		•			
	CLONE: HUNGS07356					
	SEQUENCE DESCRIPTION:	•				
	GATCTTCATC TCTTGTTTGC	TCCACTTGTA	TTCTCTTTTC	AGTAACTGGA	TTAATGCTTT	60
50	GAGCCCAAAA TGAGATATAT	TTNTAATTAC	TGTAGATTAC	ATGTTGTTTG	GCTGGGAATA	120

	CAATACAATA AACTTTATTT	TGCATAATGC	ATTTCAAA			158
5	SEQ ID NO:6196 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGSO7357 SEQUENCE DESCRIPTION: GATCTGGATT ACTATGTAAA TANCATCATC TGGTCTGNAA					60 113
15	SEQ ID NO:6197 SEQUENCE LENGTH:323 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGSO7358 SEQUENCE DESCRIPTION: GATCTGGAGC CACAGTCTGT AAATATGTAA CTTTCCCATT AGAAAGATGG CTGCTTCCAC	TNCCTTTAAC	CATGGGTTGT	GTGAGCCAGA	AAGAGCTTTG	
25	TTTCTGGCCA NAGGGTGGCT TAACTGTTGC AGAAACAGNG AGTGTCAGNT AAATGTGATN	CTTNATGGCT	,			
30	SEQ ID NO:6198 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07359 SEQUENCE DESCRIPTION:	acid				
35	GATCTGTATG TACTTTTAGT	TGTATTAATA	AAGTGACAGT	GAGTGTCAAA		50
40	SEQ ID NO:6199 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS07360 SEQUENCE DESCRIPTION: GATCACCCAG TCTTAAGGTT GANCTTATTG GCCTGTAACT TTNCCTGTTA AGNNGGCAGT	TATTTNCTAA			ACTACAGTAN	
50	SEQ ID NO:6200 SEQUENCE LENGTH:329 SEQUENCE TYPE:pucleic					

5	TOPOLOGY:linear CLONE:HUMGS07361 SEQUENCE DESCRIPTION: GATCGGACTG GAACTGTTCG AATTAAGAAT GAAGAGGGCC CTCCATGTGG AAAACTTAAA AGTTTCTNCA TGTTTATTTN ACAATGTNCT GCATAAGGTT	ATTTGCATCT ATTGTTAAGT CAGTAATGGC	CCTTAAATTA TGTGCATTAC TGANAGTGTT	TTCAGTTACC TGTATTTNAN AACTGTNCCA	TGCTTTATTG CTTGTTGCTT TACTTTTNGC	180 240
10	GCCTGGGTTC AGTNTTNATT	TCCATTNTN				329
15	SEQ ID NO:6201 SEQUENCE LENGTH:150 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07362 SEQUENCE DESCRIPTION:	acid		·		
00	GATCTAGGAT GTGGNTGTGG	AGTACTTAGC	ATCGGAACTG	CAATNTNAGG	AGCAGGGTTG	60
20	TGTGTTGGAT TTAACATAGA	TGAAGACGCA	TTGGAAATAT	TTAATAGGAN	TNCAGAAGAG	
	TTTGANTTAA CAAATATTGN	CATGGTTCAN				150
25	SEQ ID NO:6202 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07363					
30	SEQUENCE DESCRIPTION: GATCCAGGCG CCTGGGCAGA	GCACCTGCTG	TOTECCOTEC	ACTTTGAAGG	GTTGTCGTGG	60
	GGATTGAAAT NAACCAACTG					• -
	TTAAAATGCT TTCAGTGGNA					142
35	SEQ ID NO:6203					
	SEQUENCE LENGTH: 294					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS07364					
40	SEQUENCE DESCRIPTION:					
	GATCTATAAA ATTTCAGTTT		-			
	GTCTATAAAG AAGNAAGTTG					-
	GGAGTGTTCT CTATACCTTC					
45	TTTCCTTACT AATATNCTCT TATAATTGTN TTGCNCTCTT				•	240 294
	INIAMITUTE LINCHCICIT	INIGIIMAIĊ	CONTRIBUT	INVALUENTA	OTTH	434
	SEQ ID NO:6204					
	SEQUENCE LENGTH: 306			_		
50	SEQUENCE TYPE: nucleic	acid		•		

5	TOPOLOGY:linear CLONE:HUNGSO7365 SEQUENCE DESCRIPTION: GATCCCAGCC CGGCCTTTGT GGGACTAAGG TGGCGCTGAG TGGGAGAGCA GCAGGCGATG	
	CGCGAAAGGC GGGACTTGGA GGTTCTGGAT GTTCCTGTGG ATAACCTCAA GGAGCACGGN	
	ACCTGGGACA TGACTGCCCC CAGCATTCCT TCTGGCGGCA GACAGNGTTT GTNAGTTCGC	
	CAACATCCTG CTTTCATGNG AACAGTTTGC TGTTTGCTNA CAGAGCCTCC AGTNGTATAC	
10	TGAGTTGGTC ACGACCNTNA TTNCTTCGNN CCTACAAACA TNTCCCACTT TTCGNTTNTN	300 306
	TGGTTN	300
	SEQ ID NO:6205	
	SEQUENCE LENGTH: 146	
15	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS07366	
	SEQUENCE DESCRIPTION:	
	GATCTTCAGT AAATATTTTG AAATGAATTC ATTTATGGAA GAATCAAANC TAGGTCAGAT	60
20	TGTCCAAACC AGACTAAGAA ACTGCATAGG GTNTTTTATG AGGTNTTTAA TGACTCATCA	
		146
	SEQ ID NO:6206	
25	SEQUENCE LENGTH: 298	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07367	
	SEQUENCE DESCRIPTION:	
30	GATCTCACTG CCCAGGCTGG TCTTGAACTC CTGGCCTCAA GCACTCCTCC TGCCTCACCC	
	TCCCCAAGCG CTGAGATATA GACCTGAGCC ACAGCGCCTT GCCAGTTGTT TTATGTTCTT	
	TATCCTTTTA CCTGCTTGCC TTCTGTAACC TGGGTTGCAT TAAATTTACT CCTACTNGTG	
	AGTAAATGTG AACCATAGCA ATAAATTTAG TCTATCCCCA GAACCTTCAG TAGCAAGGAC	240
35	CNATATINCE ACGGENTING INTGIGICCA NANANAAATA AAATTACCIT NAAAAANN	298
	SEQ ID NO:6207	•
	SEQUENCE LENGTH:28	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUNGS07368	
	SEQUENCE DESCRIPTION:	
	GATCATTAAA GATAAACATA TTTTTAAA	28
45	CPO ID NO.5200	
	SEQ ID NO:6208 SEQUENCE LENGTH:205	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
50	CLONE: HUNGS07369	

	SEQUENCE DESCRIPTION:	
	GATCCTGTTG GCAANGGGAA TGTAGAGCTT CCAGGGTGCA TTGCCCACTG TTCTCATTGC	60
_	ATCCCAGTCC TCCAAGTCAG TCTAGCCTTA CTGTACACTT GACAAGTGCT TACTCAGCAA 12	20
5	GTCCCAGACC CACGNCCTNT TATCTCCNAA GACTGGNTTT GGCCATGNCC TTCCTCATCA 10	80
	GGCCTATGCG CANNANTATN TAGGN 20	05
	SEQ ID NO:6209	
10	SEQUENCE LENGTH: 302	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07370	
	SEQUENCE DESCRIPTION:	
15	GATCCATTTA ATATGTTATC CCCACTAATT AATTTTCGTA TATNATTTCC AATATTTGGA 6	30
	AAGCTCTTTA TAGCCATTTG GTATTTCCTA TTACCCACCT CCTATTTTAA ATATTTATCA 12	
	GTCTAAACTT GTGCAGTGTA GTAAACATGC AAGTTGTTAT GCTTGAGCTG TATTACCATA 18	
	AGTNGCNTTT TANGTAAACT GGTGNNTTTG GGCCATAGAT GTTTTTGCTT TTTGTTTGAT 24	
20	TTTNTNTTNC AGGCTAACTG TTNGNGGTAT ACATNTATTT NTCTGTTGTA CAGATTTGAA 30	0
	NN 30	12
	SEQ ID NO:6210	
	SEQUENCE LENGTH: 301	
25	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS07371	
	SEQUENCE DESCRIPTION:	
30		0
	ATTTATGCGC AACGGTTCAC ACAAGCCTTC CTGAAATTCC ACTTTACAGT AAATAAAGCT 12	0
	GTGCGTTTCC CCTTCCCATG CACAACTGCG TATCAATCTA CAACTGTCAT TTAACTGTGA 18	
	AAAAATAGNG CGTCTCCCCT TTTGTCATCG TTCTGGTAAC ATTTGGCGTA GCATCTGACA 24	
	GCACGGAGNT GCTCACTCCT GGACCGGTTA TTTGGTTAAA ACCCAAAATG TTAGGTCGGA 30	0
35	N 30	1
	SEQ ID NO:6211	
	SEQUENCE LENGTH: 111	
40	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY:linear	
	CLONE: HUNGS07372	
	SEQUENCE DESCRIPTION:	
		0
45	TTAATTTTCA GAATTAAAAA CATACCATGG GNAAAAAAAA CNCNAANCAN N 11	1
	SEQ ID NO:6212	
	SEQUENCE LENGTH: 206	
50	SEQUENCE TYPE: nucleic acid	
50	TOPOLOGY: linear	

5	CLONE:HUMGS07373 SEQUENCE DESCRIPTION: GATCCTGGAA ATNAGATGGG TTTTTTAAAG TGCAACTCTT AAGTAATCAC AGNCATTTTA CAAAAAATTA TCTTTTAGCT	GCTTCATGCT ATACCATTTC	GCTTAAGTTA	CCAGATGAAT	GCTGNGAAAT	120
10	SEQ ID NO:6213 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS07374 SEQUENCE DESCRIPTION: GATCTAGCCT GCCCTGCCTG TTTAGAGAAC TTTGTCACAG				AGGTGCCTAT	60 101
20	SEQ ID NO:6214 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07375	acid				-
25	SEQUENCE DESCRIPTION: GATCTAGAAT GTAACTAAAT TGGGGATTGT NTCGTTTTC TTGAGTTACT GNTACAGNTT CCCTCCATGA TTTTCCTATG	CTAGCAGGGG CATTTAAGGC	AACCTTAGTT TTGTGTGCAA	AATANTAAAA ATGTGGTCTC	TACTACTTAT ANTCTTTTT	120 180
30	TGCCNNTTAA NN	IGGIICCICI	GGCATICACT	GNUGITIUG	IMAMITANI	252
35	SEQ ID NO:6215 SEQUENCE LENGTH:257 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07376 SEQUENCE DESCRIPTION:	acid				
40	GATCAGGAGT ACCTCCCTCA TGACTCCTCA GGGCACGCCA AGTTAGTGGA TTGCAAAGTT CATAACTTTA NGAGTTCCAT NGGGGGGTGT TCATTTN	GCAGTNGNNT GGTTGCCTGG	GTTGCTTTTN TGGNAGTTAG	TAAGGGAGGG ANCAGACCAA	CCACTAAGAA CATTTTATGC	180
45	SEQ ID NO:6216 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUNGS07377					

	SEQUENCE DESCRIPTION:					
	GATCAGACAT AAACTTAGCA	TCTTAATGGA	AGAAAAATGA	GGGGAACTTC	AATTATGATT	60
	TATTAAAGAC AATTTCTATT	ACACCCTCCT	TTATGACAAG	TGACATTTTA	GATGTAAAAG	120
5	TAAAANCTTT ACCATGCCTT	TTTTTTTTT	NGTGGGCCTA	CCTTNGGGGC	NTNAANCCCN	180
	GGGGNNCCN					189
	SEQ ID NO:6217					
10	SEQUENCE LENGTH: 272					
70	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear		•			
	CLONE: HUMGS07378	•				
	SEQUENCE DESCRIPTION:					·
15	GATCTCGCAA TGTCTGCCTT	AATATTTCAC	AATTAAACCT	TTCATATTTA	TTATAATTTG	60
	GTAATATTCA TTAATTTTCC	TGTCTTTTTA	AAGTCTTGAT	AGATTTGTCA	AAGTATATGT	120
	NCTTTTCCCT ATGCTGGTTT	AGAAGTNCGA	NATATCACTT	CTAATAGTAA	TTATGCTCAA	180
	NTAGGTACAC ATATACATAC	ATNTTTCTCT	CNCNCTTTAT	ATACTTNTGT	GCAATTGGCA	240
20	CTTTTGACGT ATGTCATANN	NNTGTCATNC	CN	•		272
20						
	SEQ ID NO:6218					
	SEQUENCE LENGTH: 74					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS07379					
	SEQUENCE DESCRIPTION:	•				
	GATCCTCGGC CTCCCCAAGT	GCTGGGATTA	TAGGCATGAG	CCACCGTGCC	CAGNCTAATT	60
30	TCTAATTAAT TAAA				•	74
30						
	SEQ ID NO:6219					
	SEQUENCE LENGTH: 303					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS07380					
	SEQUENCE DESCRIPTION:					
	GATCTCGTCT GCTCACCTTA					
	CTGGGCCAGG AGGCAGGGGT					
40	CTTCTGGTGA CCTTGGCGCT					
	CAGCTTCCAC ACCNNCACCT					
	AGTCACTNCT TCCTCANGCC	CCCAGGGNAA	NGTGTGCTCA	AAATAAAAAC	CAGNGGNCTG	
	AAA					303
45	000 ID NO 0000					
	SEQ ID NO:6220					
	SEQUENCE LENGTH: 205					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
JU	ae nasusu/sal					

5	SEQUENCE DESCRIPTION: GATCCCCTTT CCCACATCCG TGCCTGGGGG GAGGGGAGGA CTGTTGCTCC NNNCTTTGTA AANGAAAAAG GCCTTGTACA	GCACCCCCTC TGATGCAAAT	AGCCCCCCTG	AACCTGACCA	AAAGCCATGG	120
10	SEQ ID NO:6221 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07382	acid .				
15	SEQUENCE DESCRIPTION: GATCATAAAA ATGAAGGAAA ACCACCACAC ATAANCAAGT					60 110
20	SEQ ID NO:6222 SEQUENCE LENGTH:248 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07383	acid		•		
25	SEQUENCE DESCRIPTION: GATCGCATCT CATTGTTAAC ACATAAAATA GTTACGCTAT AAAAATTTAT GGCTAGTGAT TNATTATNGN CGGGNGGCTA	TTGGTTAATG ATATATAANG	GTACTAGACA TAAAATTTTC	ACATGTAATT TTTGCAGTAA	AATGACATTC AATATGCCCT	120 180
30	ATCTNTNN					248
35	SEQ ID NO:6223 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07384 SEQUENCE DESCRIPTION:					
40	GATCCCTTTA CACTCTTCAA TCTATTGATA TTTTCTGTTA TTTTNCAAAA CAANANATGA	GAATTTAAAA				
45	SEQ ID NO:6224 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07385 SEQUENCE DESCRIPTION:	acid				
50	GATCTGCTTG GTGAAGAGTT					

	GCATANCTN					129
5	SEQ ID NO:6225 SEQUENCE LENGTH:212					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07386	acid				
10	SEQUENCE DESCRIPTION: GATCAGAAAA CATTGATTTA					
	TTTCAAGGCA AGANCAAGCC GATGTCTCCT GCCCTANTAT	GACTGTCACT	CAGCAATTTC			180
15	TAAANCGGGA GGCTANACTT	GNTCTGAAAN	GN			212
75	SEQ ID NO:6226 SEQUENCE LENGTH:235					
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07387	acid				
	SEQUENCE DESCRIPTION: GATCTTACTG AAGATGATGT	TCCAGCAGCA	GCGACTTAGC	CCCAGGAGCC	CAGTTTCAAT	60
	GGCCTTGCTG TGTGGTGTTT					
25	TTNCACATGC TTTTGNAGTA AAATANAACT GATTATCATT					180 235
	SEQ ID NO:6227			٠		
	SEQUENCE LENGTH: 290					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear CLONE: HUNGSO7388					
	SEQUENCE DESCRIPTION:					
35	GATCTCACTC TTNCCCAAGC					
	CCTCCTAGGC TCAAGCAATC ACACCANCAT GCCCTGTTGA					
	GCCAACCTAG TCTCAAACTC					
	AGCGGCGGNN GGNTAGCTTA					290
40						
	SEQ ID NO:6228 SEQUENCE LENGTH:249					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear					
45	CLONE: HUNGS07389					
	SEQUENCE DESCRIPTION: GATCCATGGG GCCCAGGNCT	AGAGGGGATC	COAGGGGCTG	CCCCTTCCCC	ACAGCCTCTT	6Ó
	GGATGATGTC CTTGCTCCAC		-	•		
	ACCCACACT CACCCTCCCN					

	TCCACGACCT CTAAGGGGTG AGGTATGTN	GCGNGGAAGG	GAGGAGGATG	AGAAGATGNA	GATTAAATAA	240 249
5	SEQ ID NO:6229 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07390 SEQUENCE DESCRIPTION:	acid				
	GATCTATCTC AGGGCTTGTT GAATATGCCT GGCACTTTGT CCNCN					
15						
20	SEQ ID NO:6230 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS07391 SEQUENCE DESCRIPTION: GATCCTAGTG CTCCTGTCTG TGAGNATTAA A	GTCAGGGCCT	ATCTTTATGT	GTTCGTTAAA	CTTTTAACAA	60 71
25						
	SEQ ID NO:6231					
	SEQUENCE LENGTH: 182	• •				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUNGSO7392					
	SEQUENCE DESCRIPTION:					
	GATCTGAAAA GTTATTAAGT	TCAACTCCAC	AGAGGTTCCT	AGGAGAATGT	TAACAGTCCA	60
	GACCTTTTTC ACTACATCAA	CCACGGATGA	TTGGCATATA	AAATCCTACT	TAACCTTTAC	120
35	ATAACTGCAA TACCAGGAAA	CAAATATGTC	AATAAAAGGA	AACATCATTC	AATTTTTGGA	
	AA					182
	SEQ ID NO:6232					
	SEQUENCE LENGTH: 233					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS07393		•			
	SEQUENCE DESCRIPTION: GATCCAAAAA ACCATTCAGG	CCAACTNACC	CTCACATOTC	1C1TCT1CCT	CCCCACCTAC	60
45	CACCCCACTG GCTGGTTCCA					
	CCCAGCTCTG ACCCTGATGN					
	TNNGGNNNCA GNTCNATCCT		-			233
50	SEQ ID NO:6233		•			

5	SEQUENCE LENGTH: 158 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS07394	acid		•		
10	SEQUENCE DESCRIPTION: GATCAGCCTG TGCCACACTT GCTTTCTGGG CTCTGGNCTC AATAANTTAG GNCACAGAAA	CACGGATGCG	TGGGCAGNGG			60 120 158
15	SEQ ID NO:6234 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS07395 SEQUENCE DESCRIPTION: GATCTCTTTT CATTTGTCAA	CCTTTTCAGT	AAAGCCCTCT	GTTACATCAA	A	51
20	SEQ ID NO:6235 SEQUENCE LENGTH:280 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGS07396 SEQUENCE DESCRIPTION: GATCAGCGAG AAGGACAAGA	A C A A NWTTCT	GGACAAGTGT	CAAGAGGTCA	TCTCGTGGCT	60
30	GGACGCCAAC ACCTTGGCCG GGTGTGTAAC CCCATCATCA CTTCGGGGCT CAGGGTCCCA NTTAGGGGNC TTTGTTCTTT	NGAAGGACGA GCGGACTGTA AGGGNGGGTC	GTTTACGCAC CCAGGGTGCC TGGGTCAGNC	AAGAGGAAGG GNTGGTCCCG	AGCTGGAGCA GGCCTGGCGG	120 180
35	SEQ ID NO:6236 SEQUENCE LENGTH:199 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS07397 SEQUENCE DESCRIPTION: GATCTAAATA CTGTGTTAAA ACACTTGAAA GTGAGCTCTT CTTTTACTGT CAACGNTTGT ACTATCTATN TTACTNTNN	ACAAGAAACT	AATCAGTGTT	TCGTTATTCC	ATATCAGTGG	120
45	SEQ ID NO:6237 SEQUENCE LENGTH:279 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS07398					

	SEQUENCE DESCRIPTION:
	•
	GATCCACCCA CCTCGGCCTC CCAGAGTGCT GGAATTACAG NCGTGAGCAC CGCGCCTGGC 60
	CAAGNAAAAA TTATTAGAAC AAGTGAGGCA TCACACTCCT CTGCCATTCA GTCAAAAGTA 120
5	NGCACCAATT TATTAACACA AACATTACAT AATACATGAT ACAGGCGCAA TCTCGCTACT 180
	GCTAGCACTA CGNNAATGTT GTTCTTGCAC TATAACATTA AACTGTTAAA TACTGACAGT 240
	GAAATGCACC NATANNGGNN ACCTGTCATC ACNGGGNNN 279
10	SEQ ID NO:6238
	SEQUENCE LENGTH: 21
	SEQUENCE TYPE:nucleic acid
	* TOPOLOGY:linear
	CLONE: HUNGS07399
15	SEQUENCE DESCRIPTION:
	GATCCAAAAA CTAACTTCAA A 21
	SEQ ID NO:6239
20	SEQUENCE LENGTH: 174
20	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS07400
	SEQUENCE DESCRIPTION:
25	GATCCAAGTA CTCTCTCC TAAAGACACC ACCTTCCTGC CAGCTGTTTG CCCTTAGGCC 60
	AGTACACAGA ATTAAAGTGG GGGAGATGGC AGACGCTTTC TGGGACCTGC CCAAGATATG 120
	TATTCTCTGA CACTCTTATT TGGTCATAAA ACAATAAATG GTGTCAATTT CAAA. 174
	SEQ ID NO:6240
30	SEQUENCE LENGTH: 294
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS07401
	SEQUENCE DESCRIPTION:
35	GATCTTGAAG AGACCGCTGG CAGCACCAGT ATTCCCAAGA GGAAGAAGTC TACACCCAAG 60
	GAGGAAACAG TTAATGACCC TGAGGAAACA GGCCACAGAN GTGGCTCCAA GAAAAAGAGG 120
	AAATTCTCCA AAGAGGAGCC GGTCAGCAGT GGGCCTGAAG CGGCGGTTGG CAAGAGCANC 180
	TCCAAGAAGA TGCAANAGTT CCATAAAGCA TCCCNAGGAN GNTTAAGAAT GCAAATGGAC 240
40	CATTCTCTTG GNNGGTTNGG NCATACCCAT NAGCCCNAGG TGACATTTCC CNTN 294
40	CATICICITY UNRUGITING NCATACCCAT HAUCCCHANG TUACATTICC CHIN 254
	SEQ ID NO:6241
	SEQUENCE LENGTH: 295
	SEQUENCE TYPE:nucleic acid
45	TOPOLOGY: linear
	CLONE: HUNGS07402
	SEQUENCE DESCRIPTION:
	GATCTCGCCC TTACCCCGGG GTCTGGTGTA TGCTGTGCTT TCCTCAGCAG TATGGCTCTG 60
50	ACATCTCTTA GATGTCCCAA CTTCAGCTGT TGGGAGATGG TGATATTTTC AACCCTACTT 120

	CCTAAACATC TGTCTGGGGT TCCTTTAGTC TTGAATGTCT TATGCTCAAT TATTTGGTGT 180 TGAGCCTCTC TTCCACAAGC GCTCCTCCAT GTTTGGNTAG CAGTTGAAGN GGTGTGTGGG 240
	TGGGCTNTTG GGNGTGAGGA TGGAGTNTTA AGTGCCNACT NNCNNCTNNN ACCNN 295
5	
	SEQ ID NO:6242
	SEQUENCE LENGTH: 201
	SEQUENCE TYPE: nucleic acid
10	TOPOLOGY: linear
10	CLONE: HUMGS07403
	SEQUENCE DESCRIPTION:
	GATCTAATCC CTTCAAGGAA GTGATAACAC TGGGAGTGGT AACAAGAGGA GCAGGGAAGC 60
	AAGGGCCAGC CCCTGGTTCT CCATCCCNAT GTGTTNGAGG GTGGGACCAG NTGGACCTGG 120
15	TCCAGGCCAG GCCTCATTCC TCCTGGNCCN GGCAGGGTCA GAGGGNGGAG GGGCNTGGTC 180
	CAGGNATGGG TCCNTTCCAN N 201
	SEQ ID NO:6243
20	SEQUENCE LENGTH:26 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGSO7404
	SEQUENCE DESCRIPTION:
	GATCTTGGCA GTTGATAAAA CGTAAA 26
25	
	SEQ ID NO:6244
	SEQUENCE LENGTH: 324
	SEQUENCE TYPE: nucleic acid
30	TOPOLOGY:linear
	CLONE: HUNGS07405
	SEQUENCE DESCRIPTION:
	GATCGNTGCC TGGTTTGTCT TCTCTGTGTC CTGGAGCAAA GCCAGTTCCT AAAACTAAAA 60
35	CTCCATTCTA GTCTTGGGAA GAAAAGTTTC TACTCAGAAC TGGGGAAGGA GTGGAACTTA 120
	TGACTTGGGC CTCTAGGCTG TCTCTGTCCC CTCAGCTCCC CGACATGCAT TTACTCTCTG 180
	CCGTGGGTCT GCAGTCGCTG CAACCTACCC TCTCTCTGCC TCAGCCTTAC ACCCAAGCAG 240
	TAGGTCTGTG CTCTCCCTGT CTCTAGGTCG NTGAGAGAGG TGCTTTTNTT CATAAAACCT 300
40	TTGGGGTTTG GGATTTCCCC AGAN 324
40	SEQ ID NO:6245
	SEQUENCE LENGTH: 256
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
45	CLONE: HUNGS07406
	SEQUENCE DESCRIPTION:
	GATCCATTCC GGCGCCTTCC TCTCCCAGTC ACCCAGAGGG CCCCAACCCC GGCGGNCCTT 60
	TCTTCCTCAA ATGTCCTCGG CTCTATACCG TGNCTGGGTC TTTTNTCTNT CTCTCTGCCT 120
50	GGAAGATTCC TTCTTTNCCC TTTTGTCTTG CCCACTACTG TTTACCCTTC AAGTTTCAAG 180

	GTCATGTCAC TGTCTNAGAG TGCTNNTTTC CATNAN	AGGTTTTCCT	GTGNTNGACC	TGTTTTTNAT	CAGGAAGGCT	240 256
5	SEQ ID NO:6246 SEQUENCE LENGTH:37					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUNGS07407					
	SEQUENCE DESCRIPTION: GATCATTAAA CCTGGCTTGA	GTCTCTCTTC	TGGCAAA			37
	unioniimm corduction	diciolatic	IUUUAAA		•	Ji
	SEQ ID NO:6247					
15	SEQUENCE LENGTH: 152					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS07408			• •		
	SEQUENCE DESCRIPTION:					
20	GATCAAGNTT GNTCTTCTGT	GATATATGGG	ATATNATGTT	TTAAAGACCA	TCTTGGAATA	60
	CAATTAGAGA ACTTAGTATT			TTAAGTTTAA	TATTCTACTT	120
	TGCAAAANCT TTAATTAANG	ATGTTATTTA	· AA			152
25	SEQ ID NO:6248					
	SEQUENCE LENGTH: 213					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS07409 SEQUENCE DESCRIPTION:					
	GATCCTGCAT TAAGAAATTC	AAAAATCAGT	TAATCATCGT	TACATGTTGT	AAAAGTTGGA	60
	TACTGACAGT CTCTAATAGT					
	ACGTTGATGT GTATAANCAT	GNATACAACG	CTANTGGCTG	GTCACAGTGT	TTTCNCAAAC	180
35	TACAGNTCAC ACCANGINTT	TCTCCTNTTC	CTN			213
	SEQ ID NO:6249					
	SEQUENCE LENGTH: 274					
40	SEQUENCE TYPE:nucleic	acid	•			
40	TOPOLOGY:linear					
	CLONE: HUMGS07410 SEQUENCE DESCRIPTION:					
	GATCTCCTCT TAAGCGGAAA	AGAGATTGAC	CTTCTAGCAG	AGGCAAAGAA	TGGAGTCTTC	60
45	TGGGGGCAGC TGCAAAGCGT					
73	CTGTGGGTGG TTTCAGGGCC					
	TGGAGGCTGG GCTGGCTGAT			CTAATANCAN	GTATTGCGAN	240
	TGNTGATACC TAATAANAGN	CTTTTTTCC	CAAA			274
50	SEQ ID NO:6250					

	SEQUENCE LENGTH: 216					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		•			
5	CLONE: HUMGS07411					
	SEQUENCE DESCRIPTION:					•
	GATCACCATG CTTGAATGTC	CTCTACTGCT	GATTCTAACA	TCCGTGTCAG	TTTTGGACCG	60
	GTTTCAGTAG ATGGATTTTN					• •
40	CCTCATAATC TTTGATTGGA					
10	TTTTTGTATT CCTATAAATA				•	216
	SEQ ID NO:6251				•	
	SEQUENCE LENGTH: 319					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	3014				
	CLONE: HUNGS07412					
	SEQUENCE DESCRIPTION:					
	GATCTAATTT TGTATGTGGG	AATCTTGCCT	TGCCCTGATT	TCCAGACCCA	TAGGCAGGCT	60
20	TGCAGGCTGT AGCTGGGGAA					
	CTCCACTATT AGGCAGAAGC					
	GCTCAGTTTC CCTTAAGGGG					
	CCATGTTTGT TTGCCAATAA					
25	NAAAAAACAC NAACANCAN					319
	SEQ ID NO: 6252					
	SEQUENCE LENGTH: 111				-	
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS07413					
	SEQUENCE DESCRIPTION:					
	GATCTACTGT TTGCATGTAA	GAGACCAGGN	TATGTAACTC	ATTTTATTT	AGTGTATACA	60
35	TATTGTGTAT ATAACATATG					111
		G				
	SEQ ID NO:6253					
	SEQUENCE LENGTH: 108					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUNGS07414					
	SEQUENCE DESCRIPTION:					
	GATCCCAGGA ACTGTGGGCA	CCCATTTTNT	GTGTCTCCCA	GCCNATTTCC	ACTCCTAGTT	60
45	TGTCATGGNT ANTTTTTGTT	CTTCCCTGTG	TGAGGGGNGC	CATCAACN		108
-						
	SEQ ID NO:6254					
	SEQUENCE LENGTH: 317					
,	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

	CLONE: HUMGS07415 SEQUENCE DESCRIPTION:					
	GATCACAACC ATCAGCATCA	CCCCACACC	ACCCAGTGTT	CCCCCTCCTC	CCATCCCCA.	60
5	GGCGGGTCTG GTCACCATGG					
	CACGETCATE ATTGCCGTGG					
	GGGGGACTCA ATTGGNGCGG					
	GGAAGCTGAG CTTACCCTAC					
40	GACGCAGGGG AGCATAN	ACAUACIUUU	UNANCCUNIA	CANGICCCII	ANI GUNACAG	
10	UNCUCAGUGU AGCATAN		,			317
	SEQ ID NO:6255					
	SEQUENCE LENGTH: 218					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear	3014				
	CLONE: HUMGS07416					
	SEQUENCE DESCRIPTION:			•		
	GATCGAGACC ATCCTGGCTA	ACACGGTGCT	GGCGGAGATA	ACACTCCCTT	GAAGCAGTGG	60
00	AGTACAATCA AACATCTTGG					
20	AGANCGAAGA GCTGGTAAAC					
	AAGCCTCCGA CGANNTGGTC					218
	SEQ ID NO:6256					
25	SEQUENCE LENGTH: 194					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07417					
30	SEQUENCE DESCRIPTION:					
30	GATCTNACTC ACAGAGGGAA	GAACTTATAA	TTCTTCACAG	GTCACATAGA	AGCATGANAA	60
	TTTGGGTTCA AGCAAGTAAA	TTCTAAATCA	GAATCCATAC	ATAAAGTGTT	TGCAATGTCC	120
	AGTTATATCT CCATGATATT	TNCTTTGTGG	AAGTTGATTG	TCCTTCCTTA	CAATAAATTG	180
	CTTGANTTGT CAAA					194
35	,					
	SEQ ID NO:6257					
	SEQUENCE LENGTH: 345					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS07418					
	SEQUENCE DESCRIPTION:					
	GATCCTGTGT ATTTCCCTGA	GTCTTCTAAC	ATATGAAAAT	TCATATCTAA	ATCAACAAGT	60
	GACTGTAATC TGGTACTATA	AATACTAAAT	AAACACTTCT	TCATAACACT	GTACCAATTC	120
45	AGCTTTTAAA TTTNATTACT	TTGCTTTCCT	GTCCTTTGCC	AACTCTTAAC	CTAGTTAATC	180
	CTAGTNCTGT TGACATTGGA	CCAGGCTCAG	TAAATAANCG	AATGGATTTC	CAGCCTTTTT	240
	TTCCCATCTG TNCCTGCTTT	TANGTCCTCT	GAATCTGCTT	CTTTGCTTNC	TGCTGCTTTA	300
	ATTTTANCAG TGNTTTTNGT	CAAAACATAG	GNTNCAGGGN	CTNNN		345
50						
	CPA IN NA.COCO					

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SEQ ID NO:6258

5	SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07419	acid				
10	SEQUENCE DESCRIPTION: GATCTGGGTT CTAGAGGGCA TATCCAGTGT TCAAGTGCAG AAACGTTCGC TGAGGTTTTG	AAATCTTTGG	CTTNGCTACC	AGTTCCATAT		
15	SEQ ID NO:6259 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS07420	acid				
20	SEQUENCE DESCRIPTION: GATCCACACT TTTAAAGAAA TCCNAAGAAA ATATGTGAAT CATTGNAAAN					
25	SEQ ID NO:6260 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07421	acid				
30	SEQUENCE DESCRIPTION: GATCCGAGAT GGCACCATTG ACAAACAAAC AAANCAANAA				CCGTCTCCAG	60 110
35	SEQ ID NO:6261 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07422 SEQUENCE DESCRIPTION:	acid				
45	GATCTGGCTG TCTAGAGGGA GGTTATTGGA GAACTAATCT CCTCTTTCCG CCAGGCCCTG GNTCCTGATG AATATGGCTT GGNATGAAAT GATTTGCACT GNNTGGAAGN	CATCTCAAGG AAACCTGGCC GGAGATGNTG	GGCCAGNCAC CCGTGCCAGC TACAANTTTT	CAAGTCCCAA AGGATGACAA TATTNCCCTN	AGCCTACAGA GCCCCAGGGC TGGNTTTTGA	120 180 240
	SEQ ID NO:6262 SEQUENCE LENGTH:129					
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear	aciu				

5	CLONE: HUMGS07423 SEQUENCE DESCRIPTION: GATCCACTCG GNCAACCCAA CAGTTTTACC AACCACCCCG GGCTCGGAAC TAATAGGNAA 60 AGTAGACTCT TTGTGAAGAA ACGAGCCANT NNCTGGAACA CCCTGGTGGA AACCTGTTGA 120 CANGCCCTN 129
10	SEQ ID NO:6263 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07424
15	SEQUENCE DESCRIPTION: GATCACTTGA ATGTTAGGNT TCATAGNACT ATACTAATCT TCTCACAAAA GGTCTATAAA 60 ATACAGTCGT TGAAAAAAAT TTTGTATCAA ANTGGGGNGG CAAATTNGAA GCTTCTCCTT 120 AANCTGTATT GATACTGACT TGAATTCTTT TCTANAN 157
20	SEQ ID NO:6264 SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	CLONE:HUNGS07425 SEQUENCE DESCRIPTION: GATCTCCTTC TTTAGCTCAA GGTTGCTGCA ANTTGGAGCT GAGCTGTCAG TGGAACGNGT 60 CCTGGAAATN ATTAAGCAAG GCGTCGTTGC GCTGCCCAAN GACAGACTGA AGAAATTTCC 120 AGANTTGAAA TTCAAATATG TGGAAGNGGA GCAGCCCGNG GNGTTTTTAT N 171
30	SEQ ID NO:6265 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE:HUMGS07426 SEQUENCE DESCRIPTION: GATCCTACAT TTACAGACAG TTTTGTCATA ACCCTTTGCA TTGCAGCACC TAGTACAATT 60 CCTTGGAAAC AGCGTGGCTC AATAAATTTT TATTGAATGA ATAAATGTGG GCCCAGAAGC 120 GTGCTAGANG AGTGCCTTTC TGGGCTACTN AAAAAANNAA AAANACNAAN AANN 174
40	550 ID NO. 5255
	SEQ ID NO:6266 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE:HUMGS07427 SEQUENCE DESCRIPTION: GATCAAAGAC TCCCTGGAGC GAGAAAACAG TTACTGCCAG AAGCAGAATG GAAGAGCCAA 60
	AAAGTACACA AAATGGACGC CATAANTTCT GAAATAAAAG TGTATGATGT GTTCTGAGTC 120
50	AAA 123

5	SEQ ID NO:6267 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS07429 SEQUENCE DESCRIPTION:	acid				
10	GATCTGGGCC TCAAAATACC CTATTATGTA AACACTATTA ATCAGAGTCA TCATTTTCT	CAGTCACCAG	TGTGTGAAGA	CTCTTGAGTC	TGGTTCTCAT	60 120 174
15	SEQ ID NO:6268 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07430	acid				
20	SEQUENCE DESCRIPTION: GATCTTTCA CTGGCTGACT ACACGGTGTT GTAGCCAGTT TGCTATATTT TTGTAGCTAA	CAGGTACTGN	ATATTTAGGA	TTTGGTGNCG		60 120 163
25	SEQ ID NO:6269 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07431	acid				
30	SEQUENCE DESCRIPTION: GATCTCCAGT ACTTTGTACA GTATTTNTAT ATGGTATAAT ACTACTTACT ATATNCTGTA GGNGTAGGGN TN	TAAAATNATT	ACATTTATGT	GATTGTAATT	CACAAAANGT	
35	SEQ ID NO:6270 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS07432 SEQUENCE DESCRIPTION: GATCTTCTTT TGTAATGTTT TTTAATAAAC TTGACTGAAT		TGCCTAGGGC	GGTGCTGAGC	ACACAGCAAG	60 85
45	SEQ ID NO:6271 SEQUENCE LENGTH:284 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid .				
50						

	CLONE: HUMGS07433					
	SEQUENCE DESCRIPTION:			. = = = . = . =		
5	GATCCTAGTG AGGGATTGAT					
	ATGAAGCGAA CCATTAATAA					
	ACGGAATTTT GAGACTTTAA					
	GTTTCCAGTA AGGGAATATT				GCTATTTACA	
40	TAGCCTTCTA AGTAAAGGCA	AIGAAIICIC	CATTICCIAC	LGUN		284
10	SEQ ID NO:6272					
	SEQUENCE LENGTH: 211					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	acid				
15	CLONE: HUMGS07434					
	SEQUENCE DESCRIPTION:					
	GATCAGTATT AACATCCAGG	TTTTGATTGT	TGTANTATCG	TTACCTCGTA	CATTACCTTT	e c
	GTATATAGGN AATAGACACT					
20	TTGTTCAGAA TCACTCACAA					
20	CCTNTTTTTN CAACTTTTGT			NCALANTUUU	AUCACIUIUU	211
	TOTAL CILITITATE	dimonitorum				211
	SEQ ID NO:6273					
	SEQUENCE LENGTH: 170					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS07435					
	SEQUENCE DESCRIPTION:					
30	GATCTCATGA AGTCTTCCTT	GGCCCAACCA	GGCAGATGCC	CCGGGCTCCA	GTGGGGGGAG	60
	GGGTCTGGGG TCTGGTCCGG					
	CAGTGCGNAT AAAATTTGGA					170
	SEQ ID NO:6274					
35	SEQUENCE LENGTH: 301					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07436					
40	SEQUENCE DESCRIPTION:					
	GATCTGCCCG CCTCGGCCTC	CCAAAGTGCT	GGGATTACAG	ACGTGTGCCA	CTGNGCTCGG	60
	CCTCAGATTC CATATTINAA	CACCAGCTGA	TTGAGAGAAG	GGGAATNAGA	AGAGCTGGAT	120
	GAGTTTAAAT AACTTTNATT	GTTCAGATTC	CTGAACAGGN	GTTGGGATAA	TGGCCATCTT	180
	TNCTTTCCTA TCCTTCCCCC	CCTCACTGTG	AAAAATAACA	GTCCACCCCA	AGTCATACAC	240
45	TGGACCCAGT GCCTGCGGGG	ACAGGNCTGT	GGGTTTCTTG	GTCACACCTG	TGTTGGTGNT	300
	N					301
	SEQ ID NO:6275					
50	SEQUENCE LENGTH: 198					
	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS07437					
5	SEQUENCE DESCRIPTION	٧:				
3	GATCCAAAAA ACCATTCN	GG CCAAGNAACC	CTGAAANGNA	ACATCTACCT	CCCGACCTAC	60
	CACCCCACTG GCTGGTTC	CA GAACGTCTCT	NACCTAGACC	TTGCCTCCCC	TCCTCTCCTG	120
	CCCAGNTCTG ACCCTGATE	C TTAATAAACG	NAGCGACGTG	AGGGTCCTGA	TTCTCCCTGG	180
	TTTTNGGGGG GNTCCATN					198
10						
	SEQ ID NO:6276					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nuclei	ic acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS07438					
	SEQUENCE DESCRIPTION	l:				
	GATCTCTACT CAAAGATGT	C TTGCAGTTTA	TGAACTGAGA	TGTAACTTCA	TGACTAACAT	60
	GATGACATCG TTATTAACT	A CATAAACTTT	ATAAAGCTTA	AA		102
20						
	SEQ ID NO:6277					
	SEQUENCE LENGTH: 318					
	SEQUENCE TYPE:nuclei	c acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS07439	_				
	SEQUENCE DESCRIPTION	-				
	GATCTTAATA CCTAATTT(
20	TCAATGTGAA TATCTTGAA					
30	TTGTTTGTCT GATTAGCCA					
	TGTGTAACTC AGTAATTGA					
	NAGCATGGTG TGTGAGGCA	ig igicigicoi	IIIGIGCCAG	CICIGIAIGN	IGILIGINGG	318
	CCNTGTTTGT AGGCCTGN					310
35	SEQ ID NO:6278					
	SEQUENCE LENGTH: 321					
	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY: linear	c acru				
40	CLONE: HUMGS07440					
	SEQUENCE DESCRIPTION	1.				
	GATCTCGCCA ACAGCTAGO		ACCCCCACGA	TACGCACAGC	ACACCACTGT	60
	CCCTTCACTG CACTTTCTT					
0.	TGTAGTGGTT TGGCAAGGT		-			
45	TCTCTGGGCC ACTGCTGCA					
	CTGCAGCAGA GGCAGCCTA	T TCCCATTGCA	AGGNGNGGAN	TGAACGGAGT	AATTATTCTA	300
	CINTICITIT TACATAAAT	A N				321
50	SEQ ID NO:6279					
	SEQUENCE LENGTH: 290					

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07441	
Ů	SEQUENCE DESCRIPTION: GATCCTGCAC GTCCGCAAGC CGGAGAAATA CCAGCTGCAC CTCCACGAGA GCTGCGTGCT	co
	GTCCCTGAAG TTTGCCTCCT GCGGACGGTG GTTTGTAAGC ACCGGGAAGG ACAACCTGCT 1	60 20
	CAACGCCTGG AGGACGCCGT ACGGGGCCAG CATTTTCCAG TCCAAGGAGT CGTCCTCAGT 1	
10	CCTGAGTTGT GACATCTNCA GAAATAACAA ATACATTGTN ACAGGCTNGG GGGCCAAGNA 2	40
	GGGCACCGTG TATGNGNTNG TNTNCTTNGG CCATTNNCCC NTTCCTGTNN 2	90
	SEQ ID NO:6280	
. 16	SEQUENCE LENGTH: 130	
15	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS07442	
	SEQUENCE DESCRIPTION:	
20		60
	GATGGTAAGC TTTTGTNAGN GTTTTAACAT TTNCTTGATG AAACAATAAA AAGAGGTAAG 1	20
	CTTTTNCCTN 1:	30
	SEQ ID NO:6281	
25	SEQUENCE LENGTH: 192	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS07443	
30	SEQUENCE DESCRIPTION:	
30		60
	ATATTTACTA AAATNGACTG TGGTGACTTT GGATAATAAG NAAAANTTTA ATATTAAANC 12	
	CATGITTATT ACAGTATAAT TAACATGITA AACCATGGGG NTAAATGCCA TCANTAAAAA 18	
35	ATTATGNCAT NN 19	92
	SEQ ID NO:6282	
	SEQUENCE LENGTH: 125	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY:linear	
	CLONE: HUMGS07444	
	SEQUENCE DESCRIPTION: GATCCACCCC CTGCCCGCAA AACATTGCTC CTAACTCCAC CGNCTGTCCC AAAACCTATG 6	20
	NGANCTAATG ATAATCCCAC CACACTTTAC TGACTNTNTT TCCAGACTCA GCCCGGCTGN 12	50 วก
45		25
	SEQ ID NO:6283	
	SEQUENCE LENGTH: 301	
50	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	

	CLONE: HUMGS07445	
	SEQUENCE DESCRIPTION: GATCTGAGTT GCAGGTCTGC ACCCTAAATC ACACCCTGGG CATTGTCTGG GCTGCAGGGC	60
5	TGCCAGGTTC TGTACTTGTG TCCAGCTATG GCCCTGGNTG CTGGAGCTGG AGGGTTTTCT	120
	GTGCTCAGAC TGTAGCCTGT AGCTCTTGGC CTGTGTAGAG CCCCCTCCTG TGCCCTCAGT	180
	GGCTGTCGTT TGTTAACATN ATCAGGAAGA TGGGAAAGGT CAGGCAGNAT TTTTCTGNCC	240
	TACAAAGGGN GGNNGAGAAA GGACACAGTA TTTTNAATGA NTTTACCATA TATCTTTGGN	300
10	N	301
	SEQ ID NO:6284	
	SEQUENCE LENGTH: 108	
15	SEQUENCE TYPE:nucleic acid	
70	TOPOLOGY: linear	
	CLONE: HUMGS07446	
	SEQUENCE DESCRIPTION:	
	GATCCTTGNT TTCTAAAAGC CAGTCCTNCC CTNCAGCTTT CCACAGTTTC TGTAAATGTT	60
20	TAATACTINI ACAGICAAIG GCAAIITIAA ATATATATA ATAANAIN	108
	SEQ ID NO:6285	
	SEQUENCE LENGTH: 159	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS07447	
	SEQUENCE DESCRIPTION:	
	GATCTGGGGG AAAGGCTGCC AGGGCCAAGA GGCTCGTCTC ACTCCCTGCC CTGCCATTTC	60
30	CCGGAGTGGG AAGACCCTGA GCAAGCAGCA CTGCCTTCCT GAGCCCCNGT TTTCTCATCT	120
	GTAAAGTGGG GGTAATAAAC AGTGATATAG GNGTGCAAA	159
	SEQ ID NO:6286	
25	SEQUENCE LENGTH: 125	
35	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07448	
	SEQUENCE DESCRIPTION:	
40	GATCACTTGA CTCTTGTAAA CGGACCTATA CTCAAAAAGGC TTTGGCACAC TGTCACGNTA	60
	TTAGTATACA AATGTGCATT TGTGTTTAAG TTAAANTGAG GTNTGCNGGG TAAACTGCNA	
	ANTAN	125
	SEQ ID NO:6287	
45	SEQUENCE LENGTH: 63	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07449	
50	SEQUENCE DESCRIPTION:	
**	GATCTACAGT AATTTATTCT NTCTAAAAGT AAAGCATTTT CAAAACTCAG TATTTAAACC	60

	AAA				,	63
5	SEQ ID NO:6288 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07450	acid				
10	SEQUENCE DESCRIPTION: GATCTTTCC ACTGGNCTAC CCTAAATCTG TGTCTATGAA				TTCTCTAAAC	60 104
15	SEQ ID NO:6289 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7451	acid				
20	SEQUENCE DESCRIPTION: GATCTACCCA CCTCGGCCTC NCAAGTTTCT ATTCTTAAAA NGN					60 120 123
25	SEQ ID NO:6290 SEQUENCE LENGTH:296 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGSO7452 SEQUENCE DESCRIPTION: GATCTGCCCG NCTCAACCTC	CCAAAGTGCT	GGGATTATAG	GCGTGAGCAC	CGCCCCCAGN	60
35	TGATTCCAGG CGAATTCTTC NGTGTGTGTG TCTNNGTACA GCATCCGTTG TGCCTTAACA TNCTTTGAAT GTTCTCATTC	CAGATGATGT TTTTCTGNTT	GTTTTCCCTT GTCCTTTGGG	CAGCTTCTTA NCAAAGCAGT	CGTTTTCTGA ATTTTACTNA	180
40	SEQ ID NO:6291 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07453	acid				
45	SEQUENCE DESCRIPTION: GATCTGATGG ATTAATAAGG TGCCATGTAA GATGTGCCTT AACTGTGAGN TCATTAAACC ATCAGCAGTG TGCAAGNNGG	TTGCCTTCCA TCTTTTTCTT	CCATGATTGT CATAAATTAC	NAGGCCTCCC CCAGTCTCGG	AGCCACATGG	
50	SEQ ID NO:6292					

5	SEQUENCE LENGTH:176 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07454 SEQUENCE DESCRIPTION:
10	GATCCTGTGG TCAGAGGCCT CTTTGGCAGT GTNTTCTTAC CCTTAAGNAA GGTCATGAAA 60 TCCAGAAGGG GCAACCTTTN CAGGAGAGCT TTGGAGTCAT TTCTGTGTGA GNCACTATTG 120 CATAATCCTG NCAGNTTGCT TTTATATTTA AGGANTGATG TTACTTANCA ACTGAN 170
15	SEQ ID NO:6293 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS07455
20	SEQUENCE DESCRIPTION: GATCTGACTG CTGGCTATAG GATTTTGGAC TTAATGACTG AAATTGCAAA TTGTCCTTTT 60 TCTTGGCATT ACAGATTTTG CCAAAATAAC TTTTTGTATC AAATATTGAT GTGTGAAAGT 120 GAAGGAGCTA GTCTGCTGAA CCAGGAATAG TTTGAGATAT TGAACTGTCA TTTTTGNACA 180 TTTGAATACT TTGCAGGCTG GCTTTGTATA AACTTATCCT CNGGNNNCCT ATATGTTGTA 240 AATATNTAGN CCATAATTCC ATTATAANTA AANCCTATAA ACTATTCAAA CNAANANCAA 300
25	ANAACANANN 310
30	SEQ ID NO:6294 SEQUENCE LENGTH:258 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07456 SEQUENCE DESCRIPTION:
35	GATCCCAAAA AGTTTCCTTC TGCCCTTTTT CAATNCCTCC TTCCCGCCCN TCTGCTTTTG 60 TCATTATATA TTACTTTGCA TTTCCTAGAA TTTCATATAA ATGGAATCAT ANAGTATCTA 120 CTCTTTGTTG TTGTCTGGCT TCTNTCACTC AGCATAATTA TTTTGAAACT TATCTATGCT 180 GNTGTGGGTA TCAGTAGCTC ATTANCCNAT TGTTGCTGAG TAGTNTTTNA TTGTATGANN 240 GTGCTACACG TTATNCGN 258
40	SEQ ID NO:6295 SEQUENCE LENGTH:31 SEQUENCE TYPE:nucleic acid
45	TOPOLOGY:linear CLONE:HUMGS07457 SEQUENCE DESCRIPTION: GATCTTAATA AATAATACCT TACTGCTTAA A 31
50	SEQ ID NO:6296 SEQUENCE LENGTH:38 SEQUENCE TYPE:pucleic acid

5	TOPOLOGY:linear CLONE:HUMGSO7458 SEQUENCE DESCRIPTION: GATCTATGTA CAATTTTAAT	AAAATCCTGT	CCATGAAA			38
10	SEQ ID NO:6297 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07459 SEQUENCE DESCRIPTION:	acid				
15	GATCACCTAC TAAGANGTAC TTTAATTGAC AAA	TTCCTACNTT	TCATTCTTTC	TTTATAAGAA	TTAATTAANT	60 73
20	SEQ ID NO:6298 SEQUENCE LENGTH:311 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07460 SEQUENCE DESCRIPTION:	acid				
25	GATCCACCCA CCTTGGCTTC CCCTATCTCA AGCTTCTTAA CCAACGGTTT CAGAGNTTAG CCTGGTNTCC AGTGAATCCA CTAGGGGACA TNTATGTGAN NATTNAATAT N	CTGCACCTGC GNTGTGGNCA TGTTTAGTGG	TAAATCCCTT TTTTGGGGGG AGGACAACAT	TTGCCATGTA CTGTTTTTCT TTGAGGCACT	AGGTAACGTA GACTGCAATA TACATGGATN	120 180 240
35	SEQ ID NO:6299 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07461 SEQUENCE DESCRIPTION: GATCAAAAAA TAACTATAAG GNGTACTCAT CTTTATTCT	TATCCTCAGC				60 115
40	SEQ ID NO:6300 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic					
45	TOPOLOGY: linear CLONE: HUMGS07462 SEQUENCE DESCRIPTION: GATCCTACTG CCTCGTCCTC		PPP_ATTAP+P	NNGTC 4 CCC 4	CCTCTCATTC	60
50	NCACAAATAG CGATTTTATC TGAACTATTG TTTTCTTTAT	TACTACCACC	AGAAATCTTC	TGACATACTG	TTTTACCGCA	120

	TTAAAATATA TCAGCAGCTA	ATAGCTCATT	TTAAATAGAT	TCTGAAAGTT	CAAGNATTTC	240
	AGGTTGCCAG NCACCNNTAT	ACTCTACANA	ATCAGANANG	GCTCATTCCT	GNTTNCTNAC	300
	ACAACAAANN					310
5						
	SEQ ID NO:6301					
	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE:nucleio	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS07463.					
	SEQUENCE DESCRIPTION:					
	GATCAGGGAT GTCCAATCTT	TTGGCTTCCC	TGAGCCACAT	TGGAAGAAGA	ATTGTCTTGG	60
	GCCGCACATA AAATATGCTA					
15	CANGAAAAAT CTCATGTTTT					
	GTNCTGGGCT GCNTTGGNCC					209
				-		
	SEQ ID NO:6302					
20	SEQUENCE LENGTH: 312					
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07464					
	SEQUENCE DESCRIPTION:					
25	GATCATAGCT CCTGGTAACT	GTGGACTTGA	TAGATTTNAG	GTACCTAGTT	CAGAACTCCC	60
	TAGTCACCAT CTCCAAGCCT					
	ACCCAAGGAA GAGATGTGTG					
	CAGTGGGAAA AGAAACATGC					
	AGGNNTTAGC CATTCTCTTC					
30	GNAGTCCCNA NN					312
	SEQ ID NO:6303					
	SEQUENCE LENGTH: 147					
35	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07465					
	SEQUENCE DESCRIPTION:					
40	GATCCGCCCG CCTCAGCCTC	CCAAAGTGTT	GGGATTACAG	GCGTGAGCAC	CGCGCCTGAA	60
40	NCTGAAGGTT ACTTTTCTTT					
	AAGAAGAATA AAATGCTGAA					147
	SEQ ID NO:6304					
45	SEQUENCE LENGTH: 294					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07466					
50	SEQUENCE DESCRIPTION:					
	GATCATATTT CCTCAAAAAT	AAGAGAAATA	AGGTTCATAA	GGAAACTTGC	TGGGATTGTG	60

5	GTTGTTTTGT TTTCTCAGCA TAAGCCAAAT TTAAATGACT AGTGCCACTA AAANCCACAT ATAGTTTATC TTATTTGTNA	ACTGCTTTGT AATGCTTTGG	NCATGGGTAA TTTCTATGTG	GCCATGTNCT GCTAATANNT	TTTCAAAATA ATTTNGTCCT	180
10	SEQ ID NO:6305 SEQUENCE LENGTH:294 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07467	acid				
15	SEQUENCE DESCRIPTION: GATCCATTCG CCCCAAGGGG CAAAGAGGCT TACACGATAT CTNATGAGAT TATTGTCAAC AACCTTAAGC TGATATTTTN	CCCATACCTT CCTGCTTTCC CCTTTAGATG	TAATGCCTTT CTGGTAGATA TCAATCTCGT	GGCCTTCCAT TTTGCCAGGC TACCAGCAGC	TCTNACTTCT CCAATGCTTT CTTTTGACCC	180 240
20	AACTNCAGNG NTCTATATTT	NCGTAGNGGN	TTTTCNCCCA	TGTGCATGGA	TNTN	294
25	SEQ ID NO:6306 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7468 SEQUENCE DESCRIPTION:	acid				
30	GATCCCAGAG GCTGAGGGTT GGGGTGGCTN CTNCTTCCCT CGTACCAAA					60 120 129
35	SEQ ID NO:6307 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07469 SEQUENCE DESCRIPTION:	acid			,	
40	GATCTCTTTG TNATTTAAGA TTAATTACCT TTATGAAGGT TTTACCTACT TTAAAAGTTT TGANATATTT NAN	GGTTTATTAC	AAATAAGCAC	ACTAACCCCT	CGGAAGTTGT	
45	SEQ ID NO:6308 SEQUENCE LENGTH:291 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS07470 SEQUENCE DESCRIPTION: GATCTTTCTT CCTCTCCAGC	CCACAAGTGG	CTCTAGTGAG	ACGAGCATTT	AAGCTGCAGG	60

	TGGTGGCACT CGGGTCTCAG	AGCCACCAGA	CGTGCAGGTG	GGACAGTGGT	TCCAGCTCCG	120
	GCTGCCTGTN AGCGTCCCTC	CCAGGTGCTA	GCCCTGGCAG	GCACAGCCCT	NCCCTCATGC	180
	CAGCAAAGGA AATGCTCTTG	ATGAGAGGCT	CGCTTTAAAG	AAGCCCAAAG	CGTGTGCTTA	240
5	TCCAAGGGGT TCAGCTATTC	CTGACTTCAC	GGCTTGCATG	TTTGATTTTG	N	291
	SEQ ID NO:6309					
	SEQUENCE LENGTH: 97					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07471					
	SEQUENCE DESCRIPTION:					
	GATCATATGT ATTINTATGT	TCTGTAAAGN	ATTTGACTTA	CTAGTTCTCA	ATAAAATTT	60
15	ATTAGGACTA TAAAAAAAA	AAAAAANTTT	TAATAAA			97
	SEQ ID NO:6310					
	SEQUENCE LENGTH: 147					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07472					
	SEQUENCE DESCRIPTION:					
25	GATCTTATGT ACATACCCAT					60
23	TCCTTGGGCA TTCTTACTTA		GAAACATGTA	CAGGGTAAAC	AATTTTTAA	120
	AAATAAAACT TCATGGAGTA	TCTGAAA				147
	SEQ ID NO:6311					
30	SEQUENCE LENGTH: 190					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07473					
35	SEQUENCE DESCRIPTION:					
	GATCACATTT TGAAATGCCT					60
	AAAATAGCTC TTTTATGAAT					
	CACCTAAAAC CTTCCGGTTT	CCGGGGGCCN	GGGAAATNGG	AAATNAGGTT	TCNAATNTTA	
40	AATNAGGNTN					190
40	SEQ ID NO:6312					
	SEQUENCE LENGTH: 65					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
45	CLONE: HUMGS07474					
	SEQUENCE DESCRIPTION:					
	GATCTGGATT TTTGCCAATT	CCTATGAAAA	ATAATCCCCA	GAAATAAACT	ACTAAGGAAA	60
	ATAAA	ANTUI MUNUV		amminum()	NO LANGUANA	65
50						UJ
50	SEQ ID NO:6313					

. 5	SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07475	acid				
	SEQUENCE DESCRIPTION: GATCCATTGG TGTTTGGTTT TAAAGACACG TACACTAAA	GGGGTGTTTT	TTAAGTTTTT	TCTTTTATAT	CATCCAGAAA	60 79
10	SEQ ID NO:6314					
	SEQUENCE LENGTH: 204					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
15	CLONE: HUMGS07476					
	SEQUENCE DESCRIPTION: GATCCAATAA CCCAGTTAGG	TATTATACAT	ተ ለ ሮተለ ቸቸዋልል	<u>ር</u> ጥጥ የርር የር የ	C TTCTCTCT	60
	GTGTGTGCTA AGTAAAAGTN					120
20	CTGTTACTGG CCAACAGATT					
25	TTANCGTTTG TNAAGCCANN					204
	SEQ ID NO:6315					
25	SEQUENCE LENGTH: 204 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS07477					
	SEQUENCE DESCRIPTION:					
30	GATCTCATCT CTGAAAATAA	AATACCCCGT	TAAAATTCTG	GCTTTTGTTT	GTTAAGGTTA	60
	TTGAGAAGGT AATAGAAAAA					
	TGGAATTTTC ATAAGGATTT		ATTGCTGTAT	AACATTATTA	ATACAAACTT	
	ATTGGCTTAA NANNCAAANN	NNNN				204
35	SEQ ID NO:6316					
	SEQUENCE LENGTH: 218					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUNGSO7478 SEQUENCE DESCRIPTION:					
	GATCACGAAG ATACATGTGT	TTCACTGTTT	AATTTGAAAG	TTTACATTTT	TNATGCTTTG	60
	TGTTGGTGTG TAATTTTTGT					
	TTGCTTAAAT GTNTTGATTT					
45	ATTATATGCT TGTAATAANN	GCAAAAGANA	AGCTTAAA			218
	CEO ID NO.6217					
	SEQ ID NO:6317 SEQUENCE LENGTH:335					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					

5	CLONE: HUNGSO7479 SEQUENCE DESCRIPTION: GATCCCAGTG GGAACCTTCA AAGCATCCCT GACCTCCTGG GGTGGCGACT GAGTCCTTCT AGCTCCCTGC CCTCCGTGTG GGGAAGAGCT CCAGCCTGTN	AGACACCACC GTACGTGCAA TGTCTGTTAT	TGCTTTCCGG CTGGGAAACT CTGGGGGAGA	GCGGCACTGT TTTGTCCTTT GGAGTGTGGG	GATGGGAGCT GAGGCTAGGC AAGGNNTTGG	180 240
10	TTTNAGGGTN TANGGTGNGG			TUUUAAUACC	NUUGINACCI	335
15	SEQ ID NO:6318 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07480 SEQUENCE DESCRIPTION:	acid				
	GATCTGCGTG TCAAACTGTT	CCATTTGTTT	ATGTAAAGTG	ATATTAAAA	AGATATAAAC	60
20	TATAACTGTC CGTTACTTTT				7.7	
	TCCATATTTA TCCGCATGTA					
	GGCTAGAAGA NCTCGTATGT		TTCCAGAACT	GTTTGGTAAC	CTTTCGTACC	
	TNATTAGAGG ATTCTNAAAT	CICAAA				266
25	SEQ ID NO:6319 SEQUENCE LENGTH:313 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS07481					
	SEQUENCE DESCRIPTION: GATCCACCCA NCTCGGCTTC CCGATAAATG GATTTNAAGC AAGACAATTT GTGGGGTTGG	TGAGTCTTTG	AGGGAAGAGT	AGGACCTGCA	CTGAAACAAA	
	CACTTTGAGN NGGATTTTTT	GGAAGGGTTT	TGCAATGTCC	ATTCTGTATC	TTGGGTTANC	240
	ACTAGTAAGT CAAATGGNGA	ATAATTTGAG	TGTCACTCNT	TCCCTNCAGT	TNGGAAAAAN	300
	TTTTTANCNG TTN					313
40	SEQ ID NO:6320 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear CLONE: HUMGSO7483 SEQUENCE DESCRIPTION: GATCTGTGCT TTTNCCCACT TGCAAATAAA GGTTGGTATT					60 120
	AAAAAAAANA AAATNAACNA	AANN				144
50						

55

SEQ ID NO:6321

	\cdot	
	SEQUENCE LENGTH: 332	
	SEQUENCE TYPE: nucleic acid	
_	TOPOLOGY:linear	
5	CLONE: HUMGS07484	
	SEQUENCE DESCRIPTION:	
	GATCCCTCCT CACTTGCCCT GCCACTTTGC ATGGTTTNAT TCTTAACCTG GTCCCCCACG	60
	TGTNAAGTGT AGTGGCATCC ATTTCTAATG TATGCATTCA TCCAACAGAG TTATTTATTG 1	20
10	GCTGGAGATG GAAAATCACA CCACCTGACA GGCCTTCTGG GCCTCCAAAG CCCATCCTTG 1	80
	GGGTTCCCCC TCCCTGTGTG AAATGTATTA TCACCAGCAG NCACTGCCGG GCCTCCCTCC 24	40
	CGGGGGCACT GCCTGAGGGC GAGTGTGGGN NTAGCATTAG CTGCTTNCTN CNNNCCTGGN 30	00
	ACCNACTGTG GCCTGGAATN GNATAGTGGT NN 3:	32
15	SEQ ID NO:6322	
	SEQUENCE LENGTH: 376	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUNGS07485	
	SEQUENCE DESCRIPTION:	
	GATCTAATTA ATGTGAAGGA CTNGCCAGTC TGGGAAACCG CCTGCCACGT GGAAGAGCCA	60
	AACCCGACTC INTGCTGCCA CATGCCGTTC CCATGCCCGG CTGCTGGGCA CCTGGNAGAG 12	
	CTTCCAGAAT CCTCGCAGAC AGCCCAGAGC CTGCCGCTAC CCTCGGCCTG CCCACCACCA 18	30
25	AGCAAGCAGC AAGCAAGATG GGGTTCTCAT CAGTTCTTCC TTCCCACAAT GTAGGACCTT 24	
	TCCTTTTACC TTTNCAATGG GATAAAATAG TTCAGAGTTC ATTAGTCATA TTTCATTGGN 30	
	CACAAGGAAT TCAANGGTTT TTTNANCAAT TTANCANTTC ACCCGTCTTA TGTNGTTTAA 36	30
	NANTNANANC NANTCN 37	76
30		
	SEQ ID NO:6323	
	SEQUENCE LENGTH: 109	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY: linear	
35	CLONE: HUMGS07486	
	SEQUENCE DESCRIPTION:	
		60
	CCTCGTTCCC CCCGGAGAAT CCCAGCGGGG CCTCANAGAT GCATCTGGN 10	09
40		
	SEQ ID NO:6324	
	SEQUENCE LENGTH: 156	
	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY: linear	
•	CLONE: HUMGS07487	
	SEQUENCE DESCRIPTION:	
		60
	TGAGTGTNAA TTTAAATTAA CTTTGCCGTT TTGTAGAGAA AACTATTCAC AAGATAAATN 12	
50	CCAAGTCTTT NCACCTGTCA GGCATGCATA TNTNAN 15	56

	SEQ ID NO:6325					
	SEQUENCE LENGTH: 229					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS07488					
	SEQUENCE DESCRIPTION:					
	GATCCCAGTG AAGGGTTTTG	TGTGTTTAGG	CCTCATTTCT	TTGTCTTTT	CCTACTCCCT	60
	TECTGGCATT TECTGATTTE					
10	TCCATGGAAA TAAAAAGTAT					
	TTCCCCCTTT ACTATAAGAC				AAUTAAAUUC	229
	TIOOGOTTI NOTATRIUNO	MIMMINA	ACCITATION	ALCOLLANA		229
	SEQ ID NO:6326					
15	SEQUENCE LENGTH: 190					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru	•			
	CLONE: HUMGS07489					
	SEQUENCE DESCRIPTION:		-			
20	GATCTTACAC ATTCTGTGTA	TAAAGACCTT	AACTCCACAG	GACGGACATT	TTAGAGTTTA	60
	AATTATTAAG GCTATCATTC					
	CTTTAATTTA AAANGCCTAA					
	ANTTATNACN		ordoord	dimercia	AIITAANANGA	190
25						130
	SEQ ID NO:6327					
	SEQUENCE LENGTH: 355					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS07490					
	SEQUENCE DESCRIPTION:					
	GATCTCAGCT CTTTNGGTGA	CTGCATATGC	AGTGGTGACC	CAGCACAGTT	TCCATCAATC	60
	TCGTCAAAAG ACTTGAGGTT					120
35	GGTATACACA ATTAACANCC					
	TCTTTATAAA TATGGCTCAT	CTGCTCATAA	CTGTTAGNCC	CACCCAACTG	TCATTAGTAA	240
	CCTGAGTGTT TATGCTTGCA	AAACTGTATG	TTGTTATTGT	CTGATTTGAT	NATATTCNGT	300
	GNTGTTTAGN GAATGCNGTN	GTGTTTNANT	GNATCACAAA	NAATTNCCCC	ATTNN	355
40						
	SEQ ID NO:6328					
	SEQUENCE LENGTH: 298					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUNGS07491					
	SEQUENCE DESCRIPTION:					
	GATCATTIGA ATCTCAGTCT	TCAGCCTGCA	CTGATTTGTA	GCCTGCACTG	TCTTACTGAT	60
	TTACAAACTG AAATCACTGA	GAAATGTCTT	TAGTTCAGTG	AGAAGAAACC	AGAACACTTG	120
50	TTCCTAGTGT TGTGTTGTTT	TTTTTAAGCA	AATTACTTAC	TGTATTTTNA	TGGCAGGNGG	180
	GNGAAAAGT GTTACAACGG	TTTCTAATGA	AGTCCGGTAT	TTANNTGGTA	AATGACTAAT	240

	GTGTTTAGTA GTGCCAAANT AAACCATTAN NTGNTTGTCC TTTGCCAAAN ANANNANN 2	98
5	SEQ ID NO:6329	
	SEQUENCE LENGTH: 225	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUNGS07492	
-	SEQUENCE DESCRIPTION:	
	GATCACAAAG AAAAAGCATT TTTAAAAAGT TGGCAAACGC TGAAACGCAC TGTGGTATGA	60
	GGCGCATTGC ATTTCCATAG CACTGAAGTA CCAGTTTCCA TTCCTGGGCT GNGATTGTTT 12	20
	TTCCCGTGGT TGTATTGTTC TGATTTAACG ACCACCAGNG TAACTGNTTT TTNTTTGTTT 18	30
15	GTTTNCTGGT GGGGTNNCCA CCAATTAAAA CTNNTANAAN CCCGN 22	25
	SEQ ID NO:6330	
	SEQUENCE LENGTH: 229	
	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
	CLONE: HUMGS07493	
	SEQUENCE DESCRIPTION:	
	GATCGACTTC GATAAAATAC TTTTGCCTAA TCAAAATTAG AGTGTGTTTG TTGTCTGTGT 60	0
25	AAAATAGAAT TAATGTATCT NGCTAGTAAG GGCACGTAGA GCATTTAGAG TTGTCTTTCA 120	۸
	GCALICAAIC AGGCTGAGCT GAATGTAGTG ATGTTTACAT TGTTTACATT CTTTGTACTG 180	0
	TCTTCCTGCT CAGACTCTAC TGCTTTTAAT AAAANTTNAT TTTTGTAAA 223	
	SEQ ID NO:6331	
30	SEQUENCE LENGTH: 345	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07494	
35	SEQUENCE DESCRIPTION:	
	GATCTAAAGA CCCGATAGGT GCAGAACCCA TCTGGACACG GAGACCAGGA ATGGAGTTCC 60	1
	ALGUAGGETT GGCTGGCACT GCACCEGGGC ATGAGGACAC ATCCAGTAAG AAGACTTGCC 120	, 1
	ICAAGAGGTG CACTGCGGTG ACCAGTGGAG GTNACTGGTT GGAGCCTGGA ATTGGAAGCA 180	
	GATICCAAGC TCTGGTGGAC AAACTCTCCA GGCCTGGTGG GATTCACAGC TGGGGCAGNC 240	
40	CICATECING CTGCNTGGCC ACAGNECONN GCTNTTTNCC ACTTGGTGGT AGGGCCGATG 300	,
	CCTTNTTTGG ANGAGNTGGG NTTNTTTTGG TCNCGACTGN GTANN 345	
	SEQ ID NO:6332	
	SEQUENCE LENGTH: 219	
45	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07495	
	SEQUENCE DESCRIPTION:	
50	GATCACAAAG AAAANGCATT TTTAAAAAGT TGGCAAACGC TGAAACGCAC TGTGGTATGA 60	
	AGCGCATTGC ATTTCCATAG CACTCNAGTA CCAGTTTCCA TTCCTGGGCT GAGNTTGTTT 120	

	TTCCCGTGGT TGNATTGTNC GTTTTCTTGT GGAGTTAACA			TAACTGNTTT	TTTTTTGTTT	180 219
5	SEQ ID NO:6333 SEQUENCE LENGTH:60					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS07496 SEQUENCE DESCRIPTION:					
	GATCTATTTC TCAGCTTTCA	CTTATGTGAG	CCAATAAATT	CCTTTTTTGT	TGAAGGCAAA	60
15	SEQ ID NO:6334					
	SEQUENCE LENGTH: 154 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUNGS07497 SEQUENCE DESCRIPTION:					
	GATCTACCCC CCCATCAACG	TGCCCCCTCG	ACTCCCGGTG	CTGCGGAAGA	ACTGAAGGTT	60
	GCNATGCCTT ACTCTGACGG			TAAAAGCCCA	CAAAATAAAA	120
	ATAAAAAGTA ACTGAGATGA	ATTTAATAAA	CAAA			154
25	SEQ ID NO:6335				•	
	SEQUENCE LENGTH: 91					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS07498		•			
	SEQUENCE DESCRIPTION:					
	GATCTATGCT GTATGCACAG			CTTAACATTA	TGTGATAAGC	60
	ATTTNCCTGA ATAANCTTAT	TTTAAAATAA	A			91
35	SEQ ID NO:6336					
	SEQUENCE LENGTH: 181					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS07499					
	SEQUENCE DESCRIPTION:					
	GATCAGGTGT GGCCAATNAA					60
	CCAATAAAAG ACACAGGCAT					
45	AGGGTGTGAT GCCTGGAGCC N	ACAUCAUCCA	CITIGAMAC	AIGACAAAAA	GGCCAAGNGN	181
	SEQ ID NO:6337					
50	SEQUENCE LENGTH: 77	.,				
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

5	CLONE:HUMGS07500 SEQUENCE DESCRIPTION: GATCACCAAA ACCTGATGTT TTAAATNTGC TTTCTTTTTG AAATTTÄTGT TTTCAAATAA 6 AATCTCCCTA AAGCAAA 7
10	SEQ ID NO:6338 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07501
15	SEQUENCE DESCRIPTION: GATCCTATGA GTGTAGTTAA TGACTGTTNG TAAGTCAGTA GAGTAAAATN CTGTGTCCAC 66 GGGGTGTCAC AGCCTCACCA TACCCTGTTG AGGTGTGAAA TGCCCCGTCA GAAATTAAAT 120 ACAAACTTAA ATGTGCCTAT TGGTGTCTAA NCTTCATACA ATGTAAGGNC AGATTCCTTT 180 TNGGNNTACT GGGTGCTGTC GCCAGGTTTG NTAGTTAGAC TTAAAANCTT GANATTCACT 240 TTTTGGGGGG NGGGNTATAC TGANN 266
20	TITTGGGGGG NGGGNTATAC TGANN 26
25	SEQ ID NO:6339 SEQUENCE LENGTH:161 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07502
30	SEQUENCE DESCRIPTION: GATCTATTGG AAAACAACAT GGAATGGAAT TCTGGAAATN ATTATTCATT GAAGAATGCA 60 GTGGCCAAGA AAATATCAAA TGTAGATTGT NAACGCTTGA GAATCATGGC TATGGTTTCT 120 NATGTCCTGG TAACANGCTG TTATCTTTNN NGACATTTTN N 161
35	SEQ ID NO:6340 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07503
40	SEQUENCE DESCRIPTION: GATCTAGTTA TAAAATACAT GAAAAGGCTG ATGCAGCAAT CGGTGGAATC GGTTTGGAAT 60 ATGGCATTTG ANTTTATTCT TGACAATGTC CAGGTGGTTT TANAACAAAC TTATGGAAGC 120 ACATTAAAAG TTACATAANT ATTACCAGAG AGCCTGATGC TCTCTGATAG CTGTGCCATA 180 AGTNCTTGTG AGGTATTTNC AAAGTGCATG ATAGTAATGC TCGGNGTTTT TATAATTNNN 240 NNTTCCTTTT AAAGCAAGTN TTTTGTACAT NN 272
45	SEQ ID NO:6341 SEQUENCE LENGTH:345 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE: HUMGS 07504 SEQUENCE DESCRIPTION:

	GATCAGTGTG GAAAAGCC	TT CANTCAGAAA	GGAAGCTTAA	TTNTNCACAT	CAGAGTCCAC	60
	ACAGGCCTGA AGCCCTAT					
5	TGTATTCTGC ATGGCAAA					
J	AAAAGCTTCA CCCAGAGA	GG GAGTCTGGCT	GTGCACCAGC	GAAGTCTTCA	CAGAGGCTCA	240
	CCCTTTGACC ACTTTCCT	GA AGAGAAGTTC	TCTTTATGAA	TTAAGGAGTA	CAAAATCCTC	300
	TGAGNTTGAN GCAACCCT	AT CCAAGTTTCT	ANTGGGANTG	GTTGN		345
10	SEQ ID NO:6342					
	SEQUENCE LENGTH: 212	_				
	SEQUENCE TYPE:nuclei	ic acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS07505					
	SEQUENCE DESCRIPTION					
	GATCTGTCTG CCCATCTGC					60
	CAGTTGCAAT ACTGTACTT					
20	GGTNACCCCT TCAGCCTTG GGTGTNGGTC AGTCCTTTT			CTCCCTNCCT	GNTNCTNCNT	
20	GOLGINGGIC AGICCIIII	.C TAAAGNTGTC	CN			212
	SEQ ID NO:6343					
	SEQUENCE LENGTH: 316					
25	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY:linear		,			
	CLONE: HUNGS07506					
	SEQUENCE DESCRIPTION					
	GATCTTCGTA TAATTGGCC					60
30	CAGTNAAATA ATGACTTTA					
	CTTGCCTCTN CCTGCCCAT					
	CAGCAGCTCA GAAAAGGAG					
	TAGGGGAACC ATTGACCTT	T GANATTTINA	TTAGAAAATN	ATTTGTNCAG	AATCAGACTC	300
35	CATTATTTNC CATATN					316
	SEQ ID NO:6344					
	SEQUENCE LENGTH: 184				•	
	SEQUENCE TYPE: nuclei	c acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS07507					
	SEQUENCE DESCRIPTION	: ′				
	GATCAAAAGG AATGATGTA					
45	TGTATATTTN TAATTCATT					
	TTTNCACTTG TATACTACT	C TTACAATGGA	AAANNNTCCC	GAAANCTGTA	TACTTCTGAT	180
	TANN					184
	SEQ ID NO:6345					
50	SEQUENCE LENGTH: 361					
	SEQUENCE TYPE:nuclei	c acid				

5	TOPOLOGY:linear CLONE:HUMGS07508 SEQUENCE DESCRIPTION: GATCAGACCA TGCAGGTAAG GTGAACCAGC TGCACGGACC AGGTTCCCGC AAAACATTGC CAGCTAGTGA GGCATAATTT GCTCAAAGTA TAGAAACAGC CCACCTGTGC CCACTTTGAC CATTGGTGAG GATAGATATA AAATCACTTC TTCCAACGAA GCCTAGGTGA AAATCTATTT	120
10	ATAAATGGAC CACAACTCTG GGGTGTCGTT TTTGTGCTGT GACTTCCTAA TTATTGCTAA AGAACTACTG TTTAGTTGGT AATGGTGTAA AATTACATTC AGCTCCTTCT TGTCATATAA ANAGGAATTT GGNGGGTGTC GGTTTAAANA ITTTATTNCA CCTGTACCAT TINGTCACTC	240 300
15	SEQ ID NO:6346 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07509	
20	SEQUENCE DESCRIPTION: GATCTGTTGT TATACCAATT GAATTAATTG AGTTNNTTGT TGGACATTTG GGTTGGTTNC AAGTCTTTGC TATTGTGAAT AGTCAATGGC AGTATTTTNA ATGTTGGTCT ATTATTGTAC	60 120
25 -	TAAATAGTTG TTTATATTGA GCTTGGGAAA GCTTTCGTGT CCAATAGAAA TAGCATATTA : AAATAAATGC CACTGTATAT NAATGANAGT GTTGATTATA TACCCTAGAN ACTTAANCCT 2 TAAGGNAGTT ATGTNTNAAT TNNCTN	180 240 266
30	SEQ ID NO:6347 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07510	-
35	CACATGAAGA CCGGCATGGC CAAGTNCTGC TGGAGGAGCA CTCAAGTGTG ACGAGCAGGG I CCACTGGACC CTGCAGGGCT GTGGTGTATA TAGTGCAGCT TTGGAGGTGG AACTCTATTT I NAACACTTTT CTATGGAGCC TTCCGAGTCC CAGGTTTTNA CTTGAGGCTG TCTGTCTGGA 2	180 240
40	TGGCGGTTTT NAGACCTCCA TTAACATCCC TACCCAGCAT TCTGTACTTC GGGGGGGCTT CTATCTTGTN ATAAAACTTN TTACCAAGTG GAACATCGGT TACCCACCTT TTGTN	300 355
45	SEQ ID NO:6348 SEQUENCE LENGTH:358 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07511 SEQUENCE DESCRIPTION:	
50	CATCCTCCTC CCTTTCTAAC CCATTTCTAAC ACCCTCCCC CAACACCCC	

	CACTGGGCCC AGAAGGTCTT	GACTTCGGAC	ACTTACCCCT	GTTTCACAAG	TGTTTATAAA	240
	GCTGTTTTTN CTTTNGTTTT	TCTCCTAAAT	AATCCTTACT	TGGTAGTTAT	NAATCCTTCT	300
5	TTGGGGGAGG GACAGGGGCT	TTAAANCCTG	GAGGAAAATT	AATTTTNNAT	TAANGGAN	358
Ů						
	SEQ ID NO:6349					
	SEQUENCE LENGTH: 106					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS07512					
	SEQUENCE DESCRIPTION:					
	GATCATGGAA GCTCCGTGCC	CCTTCTCCCA	TTCCTTGCCC	TAAGTATCGC	CTCCATCTGG	60
	TTGTTTGTCT GTATCCTTTA					106
15						
•	SEQ ID NO:6350					
	SEQUENCE LENGTH: 135					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY: linear	4014			-	
	CLONE: HUMGS07513					
	SEQUENCE DESCRIPTION:					
	GATCAGTGCC AGAAGTCATT	GTATTCAAAG	AAGAATAAGC	AAGAAAGAAA	AGAAGGAAGG	60
	AAGAGAGGTA GACAGATACA					
25	TGAGAGTNNN CCANN		***************************************			135
						100
	SEQ ID NO:6351					
	SEQUENCE LENGTH: 156					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07514					
	SEQUENCE DESCRIPTION:					
	GATCAGGAAC ATGGCAAGGA	ACACCACACC	ACTGCTTTTN	AGCATTGTAC	TGGAAGTNCT	60
35	ATATAATGCA GTGTTAAAAA					
	ACAACTTINT NCACAAGTAA					156
	SEQ ID NO:6352					
40	SEQUENCE LENGTH: 134			•		
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS07515					
	SEQUENCE DESCRIPTION:					
45	GATCAAAAAG AAACTATGAG	TAACAAGCTA	TAACATAGTT	CACCACAATG	GGACCCCCCC	60
	CCCTTTTCCT NACCCTACAG					
	TTTNCCTGTT AAAN					134
50	SEQ ID NO:6353					
-	SEQUENCE LENGTH: 107					

	SEQUENCE TYPE:nucleic	acid		•		
	TOPOLOGY: linear					
5	CLONE: HUMGS07516					
3	SEQUENCE DESCRIPTION:					
	GATCCACATA TCTCTAACAC	CATTAATATG	AATCATTGGA	AATATTTTAC	TTATTAACAA	60
	AGTCTCTTGT GTTAAGCTAC					107
	Marorettar arrandorno		11101041110			
10	SEQ ID NO:6354					
	SEQUENCE LENGTH: 350					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear	4014				
	CLONE: HUMGS07517					
15	SEQUENCE DESCRIPTION:					
	GATCCAGAGA CATGTGGCAG	CAGGCATGGC	TTCCCCTTGG	CCTCTCTGTA	CACTGCCCCA	60
	GGACTGTCAT TTTGGCATCT					
	GTATTCATAC TGACATTAGA					
20	NAAAAGGATG TTTTGATAGG					
	GTATTTTCCT CCAAAGTAAT					
	GGGAAAGNTA GGCCTAANGT				doctadanti	350
	UUUNANUNIA UUCCIAANUI	IUIUUUNAAU	ininionnin	AATTOOTTI		500
	SEQ ID NO:6355					
25	SEQUENCE LENGTH: 137					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	uc.u				
	CLONE: HUMGS07518					
30	SEQUENCE DESCRIPTION:					
	GATCCCACTT GCATGCACCC	AGAATTTTAT	ATTCCCCAGG	AATATAGCAG	AGGAATATTC	60
	TGGTATCATA TTTATCTTTC					
	TCATCACTAT AACCAAA					137
	10.110.101.111					
35	SEQ ID NO:6356					
	SEQUENCE LENGTH: 135					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS07520					
	SEQUENCE DESCRIPTION:					
	GATCCAACCC TTGCTAGGTA	TCATAGTTTA	GGCCCATTTA	CCTTCCCCTG	TACTGGCAGT	60
	TCAGCCGCTT ACATGCACTC					
	CAAAAAAAC CCAAA					135
45						
	SEQ ID NO:6357					
	SEQUENCE LENGTH: 69					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
	CLONE: HUMGS07521					

5	SEQUENCE DESCRIPTION: GATCCTGTCT CAAAAAAAAC CAAAGTAAA	ATAACCGACA	TCCAGAAGTG	AAATAAATTA	GCCAGTGTCA	60 69
10	SEQ ID NO:6358 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07522	acid				
15	SEQUENCE DESCRIPTION: GATCTTAAAA NTACAAAATG GTAGCAGAGA AAAACTAATT TTAACTGAAG ACTAAAACTC ATTNCCATTT GGCTACCAAA	NNTCTGTGGC	AGTATTTTNA	TTTTNGGCAT	TTCCCAGGAA	120
20	SEQ ID NO:6359 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07523	acid				
25	SEQUENCE DESCRIPTION: GATCTTGTAA ATATATAAAT GCTTTTNTGT ACATGGCGCT					60 115
30	SEQ ID NO:6360 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS07524 SEQUENCE DESCRIPTION: GATCTTCCCA CCATCACAAA TGCATTTTC CTGTCTATTA CATTAGTTAA TATAACTNAT	TGGGAAACAT	CAGACGTTCT	GAGTAAGATA	TATCTCATGG	120
40	AAAAGCAGAA CACATTTTG ANTCCATTTA GTTTTATGTN GNATTCCTAG TAAANCNNN		-			
45	SEQ ID NO:6361 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07525 SEQUENCE DESCRIPTION:	acid				
50	GATCCTAATT TNNTCACGAA AACTCTCTGT GTCCCTGTTG					

	AATTAAAGGA AACAAACCAA	A				141
5	SEQ ID NO:6362 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07526	acid				
10	SEQUENCE DESCRIPTION: GATCTTTTGC TTAGACGTTA CCTAAGGCTT GATAAAGTCA		-		TCATCTCTGT	60 105
15	SEQ ID NO:6363 SEQUENCE LENGTH:392 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07527	acid				
20	SEQUENCE DESCRIPTION: GATCTCAGGC CAGCCGTTTG CCTAGAGAGC CTCATGGATT ATNATTTTAA AATACCGTTT	GTAACTAAAG TTAACACCGT	AAGAAACGGT TCTCTCGGTA	TCCTTTTTGT CTTTTTTTAA	TTTTTTAAAA GCTAAGTCAG	180
25	CATTGTCTTC CAGTGTTAAA AAGGAATGGG ATTTCCATCC NTTTTTAATG NAATCTGATG TTGTACCAGG NNTGNTATGG	CTGNGGCCAG NGGTGAGNTC	TCAGTTAGGG AGGTTTANAA	TGTCAATTGT	NCCTATTTGA	300
30	SEQ ID NO:6364 SEQUENCE LENGTH:205 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07528	acid				
35	SEQUENCE DESCRIPTION: GATCTCCATT CCTTGGGCTC AGTGGGAATN TNTGGGACAC GGCTTAATGA AGAGAATGTT ATAATAAGTT TCAGTAGAAA	CTTGACCAAA GTTCATTCTT	GGGGAGCTTT	GTNTCGTGTG	TTTTGAAAAA	
40	SEQ ID NO:6365			•		
45	SEQUENCE LENGTH: 343 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUNGSO7529 SEQUENCE DESCRIPTION:					
	GATCCTTTTC TACCCACTTT CTACCAGGGT CCAGGACTAA					
50	CTTAATCACC CTTGCTCCTC					

	GCGTTTTGTG CTTTGATGCC	AGGAATGCCG	CCTAGTTTAT	GTCCCCGGTG	GGGCACACAG	240
	CGGGGGGCGC CAGGTTTTCC	TTGTNCCNCA	${\tt GCTGCTCTGC}$	CCNTTTNCNN	TTATTNCCTG	300
	ACTTCAGGNC TTGAAACNNT	TCCNGTGGTG	TAAATAAAA	ANN		343
5						
	SEQ ID NO:6366					
	SEQUENCE LENGTH: 332					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS07530					
	SEQUENCE DESCRIPTION:					
	GATCTGTACT TTGAAAACAC	ATTGAGTCCC	TTTAACCAGG	AAGAACTCTT	CTGGGCGACC	60
	GTCCACATGT TCCTTTCCCT	TCCTAATGAC	GTGAAGTCTG	AACTCTACAG	AGCCTCTGTA	120
15	CCTTCTCTTT AAAGGCAGCT	CTGCTCACCA	GGAATTGGCT	ATAATNCTTT	CCAACTCTCT	180
	CATCATTTTA ATAGCTATCA	GCAAATGTAG	AGGTGTAGGG	GATTTTGTAA	CATCTGATGT	240
	ATGTAAAAAG ANATATTCAA	GTTGGAAGGC	AGNCTAGAAC	TGNCCTGNGA	GATGTTTGAT	300
	GTACACATTA AANNTAAGGA	ATTTTACATA	AA			332
20	SEQ ID NO:6367					
	SEQUENCE LENGTH: 258					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS07531					
	SEQUENCE DESCRIPTION:					
	GATCAAGAAT GGCAAGAAAA	TCACAGCCTT	TGTACCCAAT	GACGGTTGCT	TGANCTTTAT	60
	TGAGGAAAAT NATGAAGTNC	TGGTTGCTGG	ATTTGGTCGC	AAAGGTCATG	CTGTTGGTGA	120
	TATTCCTGGA GICCGCTTTA	AGGTTGTCAA	AGTAGCCAAT	GTTTCTCTTT	TGGGCCTATA	180
30	CAAAGGCAAG ANGGNAAGGC	CNAGNTCACC	ATCCCCTAAA	TTTTTAAAAG	NAGTTTCACA	240
	AAGNTNTGCA TATTTNNN					258
	SEQ ID NO:6368					
35	SEQUENCE LENGTH: 148					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07532					
	SEQUENCE DESCRIPTION:					
40	GATCTGTACA TTATTGCATG					
	AAGAATATAT TGCTGTTTAT	CCTATTGATG	GATATTTGTA	TTTNTNATAC	TTTTGTGTAA	120
	TAATAAAAAT ACTGCTGTAA	AAATTATA				148
45	SEQ ID NO:6369					
	SEQUENCE LENGTH: 344					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS07533					
50	SEQUENCE DESCRIPTION:					

5	TTTTGTCTTT TAAAATTGAC AGTCCTCTTT GCATTAAGTC TGTAGGGGGG GAATACAATA 12 TAAATATTCT NCTGTGTAAA CGTAAGAATG TGCTGTAATC TCCAGTTCCT TTGGATACCT 18 CAGAATTCTA TTTATTGTAT ACACTTATAC TGTTTATNCA ATGTTTTGGG TCTTACTCTT 24 TTTGACGTAT TCTCATCAGT CTTCACTCTA GTTTGCAAGC NCTGAAGTTA TTGATTACGT 30	80 40
10	SEQ ID NO:6370 SEQUENCE LENGTH:292 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUMGS07534 SEQUENCE DESCRIPTION: GATCTNTGTC ACACCCAAGC TGGTGGAGGA GCACCTCAAA AGTGCCCANT ATANGAAACC 6	60
20	ACCCATCACA GTGGACTCCG TCTGCCTCAA GTGGGCACCC CCCAAGCACA AGCANGTCAA 12 GCTCTCCAAA GAAGTGAGCA GCCTGGCCCC TGCTGTCGGA CCTGAGCCTC CTGGCTNNGG 18 GNCTGTAAAT ATGTATAGAC CTGTTTTGTC ATTTTTTTAA TAAAGTCAGT TCTGGTGGCC 24 CTGNGACTTT GGNAGGGNAA GGGGGAGGCC ANAAANANTA AANGGGGGGA AN 29	80 10
25	SEQ ID NO:6371 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07535	
30	SEQUENCE DESCRIPTION:	
35	SEQ ID NO:6372 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGS07536 SEQUENCE DESCRIPTION: -GATCCTAACC GNAGGCCCAT CAATTGCAAC ATAGAGATAC ACATGGAAAG AGGGTTTAAC 6 AGACCCTCTC TNGGACACAN CTGTTTCTCC TTTGAGCANT ANTTN 10	-
45	SEQ ID NO:6373 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUNGSO7537 SEQUENCE DESCRIPTION:	0

	GTNTCGTGAC ACTTTGTCTC TGCNAAGGCC TGTGGCATCT			TTTNAATTAG	GCTTTCTNCT	120 151
5	SEQ ID NO:6374 SEQUENCE LENGTH:288 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGSO7538 SEQUENCE DESCRIPTION:					
	GATCTNAGGC AGATAAAGAA TCACAGAGAA CTCTGGGTTT	CTNCAGTTTA	CTATGCCACA	GCACCATATT	TCCGGGTATG	120
15	AGTTCTGAGC CCCACAATGG NATATACACT AGATTCCAAA TTGTTTAANA CTGATTACAT	GNCTTAGTAT	ACAAAAGACC	ATAAAATATC		
	ana 12 us sees					
20	SEQ ID NO:6375 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS07539					
25	SEQUENCE DESCRIPTION: GATCCTCTAC CCCCGGAATG AGNATTCTCC CAGCAGGAAA					
	ATTCGTNTGC CCTCGAGACA	AGCCCGTATG	TNTCAACACC	TATGGAAGCT	ACAGGTGCCG	180
	GACCAACAAG AAGTGCAGTC					
30	TCAAGTGGCC TTTTTAGGTG TNGGGCCTCA NATCTTTGN	GGIAITCITC	AGCCGTCTCT	AGAATUTTIN	AGCCTCTTTN	319
	SEQ ID NO:6376 SEQUENCE LENGTH:166					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07540 SEQUENCE DESCRIPTION:					
40	GATCTCTGTA TGNTCTGTGT	GTTTCTGTGT	CCTGGAATTG	GATGCGTGGG	ACTCGTTCTG	60
	TCCGCGGAGT GCACTCTTTT AGTTGTGTCT ATATATAGAG				TTTGCTGAAG	120 166
	AUTIGICI AIAIAIAGAG	AAAAIAIAIA	IAANCAUAUA	AATAAA		100
45	SEQ ID NO:6377					
40	SEQUENCE LENGTH: 158 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07541					
50	SEQUENCE DESCRIPTION: GATCCAATGC CCTAAACTTT	ACATAAGAGT	TCCGGCAAGG	CTGTGACTTC	AACTTGTGTT	60

	GTAACTGCAA CCTGCAGAAT CAAATTTAGG GTTATGTTTT CAGTTGTATC AGTCTTACGG CTACAAGATA TTAAAGAGAT TCTTTCCTGG TTATCAAA	
5	TOTALONIA TATAONA	158
	SEQ ID NO:6378	
	SEQUENCE LENGTH: 323	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUNGSO7543	
	SEQUENCE DESCRIPTION:	
	GATCTCACCT TGTTGTGCAT CATAGAATTC ACACTGGACT AAAACCTTTT AAGTGTAAGG	
	ATTGTGGAAA ATGTTTTAGT CGAAGCTCTC ACCTTTATTC ACATCAAAGA ACCCACACTG	120
15	GAGAGAAACC ATATGAGTGT CATGATTGTG GAAAATCTTT CAGCCAGAGT TCTGCCCTTA	
	TTGTGCATCA GAGGATACAC ACTGGNGAGA AACCATATGA NTGCTGTCAG TGTGGGAAAG 2	
•	CCTTCATCCG GNAGGATTGN CCTCATTANG CACCNGNGAT TTCATGTTNG NGNAGAGGCC 3	300
	TATANTIGIA ATCAATGGIN ANN	323
20	SEQ ID NO:6379	
	SEQUENCE LENGTH: 318	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
25	CLONE: HUNGS07544	
	SEQUENCE DESCRIPTION:	
		60
	CAGCTGAGCC GGGTCCCTTA GGGGAGGTGA CCAGGAGCTT TGGTGCAGGG AGCTCTTNGT 1	
	GGGGCAAAGG GCTGGACCCC TGCCAGGTCT GTGGACATGG TTATATGCCC GGNNGAGGGG 1	
30	GGTACAGGGC CCCAGGGATG GCCCCCAATC CCACCTCTGT TTATTCTGTA AACTGCAACC 2	
	TATAAATAAC CTTTAGCATT CCTATTTGTA ACAAAATTNG NNTTTNTGNA AATAAATTAT 3	100
	ATTTCCTAGT CTAAAAAA	318
	SEQ ID NO:6380	
35	SEQUENCE LENGTH: 77	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07545	
40	SEQUENCE DESCRIPTION:	
	GATCTTCTCT GCCTTTATTG TTTTGCCATT TCACTAAAAT ATGTTTAGAG ATATAAAAT	60
	NCTGCTTGGA CTCTAAA	77
	SEQ ID NO:6381	
45	SEQUENCE LENGTH: 32	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07546	
50	SEQUENCE DESCRIPTION:	
	GATCTCATTT TACAAGAGAA TCTCTCTGCA AA	22 .

5	SEQ ID NO:6382 SEQUENCE LENGTH:83 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07547
10	SEQUENCE DESCRIPTION: GATCTCTAAG TGTAGCTGTA AATTTTGGG TTAATTTGGC TTATATTGGN CCTTTTAAAA 60 GNAATAAAGT TTTTTAATGC AAA 83
. 15	SEQ ID NO:6383 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07548
20	SEQUENCE DESCRIPTION: GATCTATAAA GAAACATAAG CTTAAAGTTG TTTATCACTG TGGTGTTAAT AAAACAGTAT 60 TTTCAAAAAAA TAAA 74
25	SEQ ID NO:6384 SEQUENCE LENGTH:342 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07549
30	SEQUENCE DESCRIPTION: GATCCAGACC TCTCTAATAT GAAGAATAAT GAGCCTTATN ACTATAAGTT TGTNAAATGG 60 ATGACTAAAC ATAAGAAACT ATCAGCCATC CCCGTTTCAG CATTCTGTAA CTCAGAGACT 120 AAATCACAGT TTGAGAAGTT TGTNCGTTTT TCCTTCATTA AAAAAGACAG CACACTGGAT 180 GCTGCTGAAG AAATCATCAA GGCATGGNGT GTACAGAAGT CTTGATTTGT GCAGAATGGN 240
35	TTAATGTTTC TGTTAGATGA CCTAGTATGG NATTGTNACT TAGTGCTGCC ACCTGCTGGG 300 ATGTTAANNG ANTGTNGGAT GCGTGGCCTG GCGGTGNNNG CN 342
40	SEQ ID NO:6385 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07550
45	SEQUENCE DESCRIPTION: GATCCTGTGT TTTGAGTCCC AAAGGCCATG CCAAGGATTG GCTTTGGNTG GCTTTAATCA 60 CCAACCCATC AACATCAAGC CTCCNCCAGG CCGGTTCAAA TAAATGTANT TAAATAAA 118
50	SEQ ID NO:6386 SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear

	CLONE: HUMGS07551 SEQUENCE DESCRIPTION:					
_	GATCCAACAA ATTAACCATA	TAAGCACAGA	AAATAGAGAA	ACACAGTTAT	TGAATCTACT	60
5	CTTGTCATTA ACATTTTCAA	AAAACAAAAT	GCATATTGTA	ATATTTGGTA	CATGACACTT	120
	GCATGTTGNT ATGCCTATAT	NCTTGCAAAG	NATTCAATGT	GTACTTAGCG	GCGNTTAAAN	180
	CTATGTCATG TACAACTNTT	ATAAGCNTTT	TTNCNGGGGT	CCCATTTGCC	CTTCATCTTT	240
	CAGTAAAGTC TTTGTCAGGN	AANNGTTGTN	TGGTTAN			277
10						
	SEQ ID NO:6387					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS07552					
	SEQUENCE DESCRIPTION:	ACTCCCTACC	ACCCCTAATC	CCCTCATTCC	ACTOCOCCOC	60
	GATCCAGGGA TGGGAATGGG TGGAACATTA TGAGTGCTCA				AUTCUUUUUC	60 102
20	IGUAACATTA TUAUTUCTCA	MINAMINIAM	ACIAAIUAUA	AA		102
20	SEQ ID NO:6388					
	SEQUENCE LENGTH: 338					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear	-				
25	CLONE: HUMGS07553					
	SEQUENCE DESCRIPTION:					
	GATCCAGAGG TGGGTGCAGC	TGAAAGTAAA	CAGAATGGAT	TGCCAGTNAC	ATGTATGCCT	60
	GCGCAGTTCC CTTTTNATTT	GCAGAAGCTG	TGAGTTTTGT	NCACAATTAG	GTTCCTAGGA	120
30	GCAAAAAACC TCAAGGATTG	ATTTATTGTT	TTCAACTCCA	AGGCACACTG	TTAATAAACG	180
	AGCAGGGTGT TTTCTCTCTT	CCTNTCTAAT	ATATGGAGTT	TCGAAGAATA	AAATATGTGN	240
	GCAATATTTA AATTCTCAGG	AATTGNCTNA	TACTCTTGNG	GAATGGANTT	CAGTTTTCAN	300
	TCANGNTTTA CATTTNTGGT	GGCTTAANAA	NCNTTGGN			338
35	474 IS NO 4444	•				
	SEQ ID NO:6389					
	SEQUENCE LENGTH: 245					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS07554					
40	SEQUENCE DESCRIPTION:					
	GATCAGTCTT TTGAAATTGG	GATTCTAAAT	TAGAATGAGA	GGAGGAGCTG	CTAAAGCATA	60
	AAAATGGTAG GGGTGATTTT					
	CATTATAAAT AATGTTTTCN					
45	AGGGCTTCAA ATACAAAAGA	NTTGTATGCG	GTNTTCAGAA	AATAAACATG	CTCTTTGCAT	240
	ATAAA					245
	SEQ ID NO:6390					
50	SEQUENCE LENGTH: 345					
	SEQUENCE TYPE nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGSO7555 SEQUENCE DESCRIPTION: GATCTTNACG CGNCTGGGGG CACAAACTGA AAGAAAAAGC TCCCGAGCGC GGATGNTGAG CACAACGCTC TTTTGAAGGC AAGAAGNCAT ACACGTCAAA TNGNCAGGCG TTCCAGGNTA	GAAGAAACGG GNTTATNACA TGGATTCTNT TTCGCAGANT	AAGGTTCGCG GCNTGGAGCA TTGTAACTGG ATGGGGAAAT	GCTTTGGNTC GGATGGCGAT AGTCCATGAG TAAAAACATT	CGAAGAGGGG GAACCCGGAC GAAGCCACCG	120 180 240
15	SEQ ID NO:6391 SEQUENCE LENGTH:343 SEQUENCE TYPE:nucleic TOPOLOGY:linear		outhineter	NOTON		240
20	CLONE:HUMGS07556 SEQUENCE DESCRIPTION: GATCCCCTGC TGGTCTCTGG TNACTTTAAC GCTTTCTAGG TCCTTTGCAA AGGCTACTTA	ATAGGGTAAG	CACCCTTAAT	TCAGGCACCG	TCCATNAGCT	
25	TATCCTCTTG CCCATGGCTA AATAACTAAA GGCCTTTGCT CAACATGTGA NGGTTTTTGN	TNATGTCAGA CTCCTCTGAC	CAGTGGATGG ATTGAGGCCT	GCTCCAGCAA GGGGCTTACA	CAAGAGTCAA	240
30	SEQ ID NO:6392 SEQUENCE LENGTH:185 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07557 SEQUENCE DESCRIPTION:	acid				
35	GATCAAAAAT TGTGGCCATC AAAAATGTTA TGTGCAATGA TTTAAAAAAAN ATCGAAGAGC TNNTN	ACACTAAATT	NAAGAGCAGT	TACAGTGTGA	CTCACTCATG	
40	SEQ ID NO:6393 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUNGS07558 SEQUENCE DESCRIPTION: GATCATTTCT TGTAATGTTT ACTGCAAA	TGAGAGTAAT	GCATACAGAA	ATATAATAAA	NTGTGTTGAA	60 68
50	SEQ ID NO:6394 SEQUENCE LENGTH:163					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07559 SEQUENCE DESCRIPTION:					
·	GATCCCCATT GTGTATGANC GGGTGATGAG GAAACGGTGC GTNAGGGGTG GGCTTGGGCA	TGAACAAGGA GGAAGGCCAT	GGAGGCTGTG	GCTGCCCAGG	TGNAGTTCCT GCAAGGCCAA	60 120 163
10	SEQ ID NO:6395 SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		,		
15	CLONE: HUMGS07560 SEQUENCE DESCRIPTION: GATCAACTCC CACTCATCCT	GCAGATTTAA	GCTTGGATGT	CACCTCCCGA	GGGACGCTGT	60
	GCCTGCCTCC CTCGTCAGAG	CAGGTGTTGT	CATCTACTCA	CAGAATCTGG	CTTCCTTCCA	120
00	CAAAGCACCC CCGTGAGCAT	CTGTTTAACA	TTGTCTCTCC	ACCTAGACTG	TAAGGTCCGT	180
20	GAAAGCAGGG ACCACACCCA			ACAGCCTCTA	ATCCAGAGCC	240
	TGACACAAAC CTCAATAAAT	ATTTAAGGAC	TGAAA			275
	SEQ ID NO:6396					
25	SEQUENCE LENGTH: 131					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS07561					
	SEQUENCE DESCRIPTION:					
30	GATCCGGGAC CTTCANACCC	AGGGAAAGGG	TCACCCACAC	TCCCCCCTCC	TOTO OTTOO	
	CGGGCCTGAA AGCTTCCCCG					60
	AGTCACTGNN N	MOULLIGONG	UUICAUUNAU	UNUUNNCUUI	COUGUNAUGC	131
						101
35	SEQ ID NO:6397			•		
	SEQUENCE LENGTH: 359					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS07562					
	SEQUENCE DESCRIPTION:					
	GATCCATTTA AAACAAGCTG TGAATTCACC CCTCCCACCT					
	CAGAGAGACA ACTTGCTCCT AGTAGCTCCT TGGTTTTGCC					
45	ATGCATCTGG NAGTTTTGAT					
	GGNCCAGGGG TTTTTTTNG					
					0.000,7701111	303
	SEQ ID NO:6398	•				
50	SEQUENCE LENGTH: 61					

5		50 51
10	SEQ ID NO:6399 SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS07564 SEQUENCE DESCRIPTION: GATCCTGTGG GAAAGAGAAA GGCATCCCAG AAGTTTGACT TGTTTTNCTT TTAGAATCTG 6	0
	TCTCTGCAGG AAAGAAAGT CATTTTAATA AAAACCAAAA TAATTTATAA TAATTGTNGC 12	
	CTTTCCCTCC CCATCCTCTC CACTAAGCCA GCAACTAAAT GTATTCAGAA AACAAGTTAA 18	
20	TCAAGGAGGG CAGAAGAATT TTTTTTAAAC TGTAAGAAAN TGTTCCTAAG TTTAGATTTA 24	
	TTACCTGTCA TTTAGGGCAA AANTCCAGTG TCCCCAGCAC ATGGTGACCC AACTNTGTCT 30	
	CACAGTTGCA AAGTGTGTTG GAAAATAAAG TTGCTTTGTG NACTTNGNGG GNAANNCNNT 36 NANNNNN 36	
25	SEQ ID NO:6400	
	SEQUENCE LENGTH: 379	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS07565	
	SEQUENCE DESCRIPTION:	
		0
	CCTTCCCAGT TGACTGAAAG ATGAGGCTAG GCTCTAGCAA GTTGAAGTCA AACCAGCTCC 12	-
	TTCAAGAAGC TTTGAGCAGA ATGAAGTGGG GAGGACCCAG CTTCCAGCCC AGGAAGCCCA 18	_
35	CTGTACCTGG AGCCATCTGG GATAAGACTT TGACCCATGA CTCCCATATC CACAGCCTGT 24	
	CCATCCTAGC CCATCCCAGT TTATCCTGTA TCATTTGAGC TGGGNTTCCA CATCCTCTGA 30	
	GTTGGTAGTC CCATNTCAAG TCNTTNAATA AANGNCTNTT TGGANTATTT GANTTCACAT 36	0
	TAAAAAAANA ANAAAGGCN 37	9
40		
	SEQ ID NO:6401	
	SEQUENCE LENGTH: 225	
	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY: linear	
	CLONE: HUMGS07567	
	SEQUENCE DESCRIPTION:	
	GATCGGGGTA TGAAGTGTGC ACACGCAGCC CAACAACGGG CAGTGGTCTC TGTGCTCCTA 6 GGCATCCAGC ACAGGTTCTG GCAGGGCACC CCTGCTGGGG TTGGGGGCTG GTCTGTGCAT 12	0
	AATCCTGGAC TGTGATGGGA ACAGCCCAGT GCAGTCTAAA CTTCAATTGT GTTGAAACTA 18	
50	CTTTAATAGA CAAAGTAATA AATCATGTTT ATCTATTGAT TTAAA 22	

5	SEQ ID NO:6402 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07568 SEQUENCE DESCRIPTION: GATCTTCAGT TGTATTTTNG		AATACATCTT	TTTCAATTTC	TGAAAACAAA	60
10	SEQ ID NO:6403 SEQUENCE LENGTH:176 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS07569 SEQUENCE DESCRIPTION: GATCCGGTGC TACGGGAAAC CAGCACTATG AGCATTAAAA AAAANCAAAC ACTGTAACTN	AACCTTCCAG	AATCAATAAT	CCGTGGCAAC	ATATCTCTGT	60 120 176
20	SEQ ID NO:6404 SEQUENCE LENGTH:360 SEQUENCE TYPE:nucleic		dilingion	COCITITATO	HONN	110
25	TOPOLOGY:linear CLONE:HUMGS07570 SEQUENCE DESCRIPTION: GATCTTCCCT GCGGCCTCTG					60
30	GCTTCTCTC CAGGACCTCT GGCACTGGAG CTGGGGTGCA CAGGGCCCTG CCCAGCTTCA CAGAGCTGAA CATAGACTTG GCAGCATCAT ACCAAGGCCT	CATGGGGCCT ATTTACAGAC CACTTGGATG	GCTCACCTTG CTGACTCTCC TCACCTGGAG	CCCACACATC TCACCTTCCC TGTNACATGG	TCCAGCCAGC CCCTGCTGTC GAGTGTTATG	180 240 300
35	SEQ ID NO:6405 SEQUENCE LENGTH:32 SEQUENCE TYPE:nucleic TOPOLOGY:linear		m ddddona	Moondina	CAUCOROUTA	500
40	CLONE:HUMGS07571 SEQUENCE DESCRIPTION: GATCTNACTA ATAAATGAAG	GGAAAAAGGA	AA			32
45	SEQ ID NO:6406 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7572	acid				
50						

	SEQUENCE DESCRIPTION:					
	GATCTGGTCA TTTAAAAGTG	TGTGGCACCT	CCCCACCACC	TCTNTCTCTC	GCTCGCTTGC	60
5	TCGCTCCTGC TTTNACCATG					
	NGCTTCCTGA GGCTTCCCTA					
	AACTGTGAGC CAATNAAACT					219
	SEQ ID NO:6407					
10	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07573					
5	SEQUENCE DESCRIPTION:					
٠.	GATCCAGTTA CATGTATTAT 1					60
	TTAAGACTAA GACTATGNGT (
	CACATTGGAA CCNGCACACC A					
_	TACTACTGTN CTTAAAGAAA A					
0	ACCAMATACT ATTCCATGCC A				TAGGCACCTT	300
	ATACCEGETT AAANAGNETT 1	TAAANATNTG	CANTTTTGGT	NGGNGTN		347
	SEQ ID NO:6408					
5	SEQUENCE LENGTH: 208					
	SEQUENCE TYPE:nucleic a	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07574					
	SEQUENCE DESCRIPTION:					
0	GATCACTCCT TATTTGCTGT T					
	GGGTGGTATT TNGAGAAAGT N					
	AGACTAGCTT TTNCCCAGCA G		TGTNTAGACT	TCCTTAAAAN	AATTATCTTC	180
	AAATAAAGCA AAATCTCCAT A	LAAANGNN				208
5	SEQ ID NO:6409					
	SEQUENCE LENGTH: 318					
	SEQUENCE TYPE:nucleic a	acid				
	TOPOLOGY: linear					
0	CLONE: HUNGS07575					
	SEQUENCE DESCRIPTION:					
	GATCCATAGA CTTAGCAAGT C					60
	ATTGTCTGAT GTCCATAGTT C					
5	CTGAACCATT NNATTTTTAA T					
	AAACCAAATG TTTCTNTTTT G					
	AAAGATGTGC CACTTNATCT A	TGAAATGGA	GTNTTGTATA	CCAATAAATN		
	AACANTTNAN NANNNANN			• .		318
5 0	SEQ ID NO:6410					
	SEQUENCE LENGTH: 233					

	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS07576
5 .	SEQUENCE DESCRIPTION:
	GATCTGTTAA GGGGTGGATA ACATAATATG CAGCTTAGGA TGCTATTTTA AGATGTATGA 60
	TATTCAGTTC ATTCACCTGA TTACTTTGGT TGCAGCACAA CTGTATATAT NGTATAACCG 120
	AAATTGATTA TTTNCATTGT CCTTAATGCA GTGATTTATA ATTNGAGCAT GTTTAATAAG 180
10	TTTNCTCTTC TNGTTAACTA GTCATTTGAC TGGNAANNNA TAANATNCTT TTN 233
	OTO ID NO OUL
	SEQ ID NO:6411
	SEQUENCE LENGTH: 105
	SEQUENCE TYPE:nucleic acid
15	TOPOLOGY: linear
	CLONE: HUMGS07577
	SEQUENCE DESCRIPTION:
	GATCCCACGA GGACCACTNT GTAATTGNCA GGGGGCTTCC AGNNAAGACA CTGAACCCTG 60
20	AAGCCGTGGT CTGGGGCAGG GTGGTGGGAG AGGTGGGCGG GGGNN 105
	OPO ID NO CATO
	SEQ ID NO:6412
	SEQUENCE LENGTH: 101
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	
	CLONE: HUMGSO7578
	SEQUENCE DESCRIPTION:
	GATCACCTTC CCACTTCATC CATCCCCACC CTTCCAGCTC CCCATCCATC CTGCTGAAAG 60 CATTTCCACC ACTCAATAAA ACCTCGCATT CATCCTTCAA A 101
30	CATTTCCACC ACTCAATAAA ACCTCGCATT CATCCTTCAA A 101
	SEQ ID NO:6413
	SEQUENCE LENGTH: 332
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
35	CLONE: HUMGS07579
	SEQUENCE DESCRIPTION:
	GATCAGAAGG AATCCGNCGA GGCAGGGATG GGTGTGCCCA TGTNTGCCTT GACGGGACTT 60
	CATCTTATAG ACTGTTAAAC TGTCACACAC AAACAGGCTT TCCACCCCTG CTCTGNGNGC 120
40	ACCACGCACA GNTTTCCAGT TCTTAGTGTG GCTGTTTAAA GTAGAAAATC TGGGGGCTGG 180
	GTGAGGCCAC TCATGCCTGT AACCCAGGGC TTTAGAAGGC TGAGGCTGGG GGGNTTGTTT 240
	GAAGGTCAGG AGGTTCAAGG CCCAACCTTG GGAACCATAG GCAACNACCC CCCATNNTNT 300
	NCCAAANTNG AAAAANCCAA AAAGGNNAAC CN 332
45	
· *	SEQ ID NO:6414
	SEQUENCE LENGTH: 129
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
50	CLONE: HUNGS07580

	SEQUENCE DESCRIPTION:					
	GATCTACCAG CATAAATATC	TNCTNATTTG	TCCCTATGCA	TATCANTTGA	GCTTCATATA	60
	CCAGCAATAT ATCTNAAGAG					
5	TAATGTGNN					129
	SEQ ID NO:6415					
	SEQUENCE LENGTH: 257					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07581					
	SEQUENCE DESCRIPTION:					
	GATCTAGAGG AATTAGTCAT					
15	GATGAAAGAG AAGTAAAAGA					
	ANTTCCTCAA ANTCTCCAAA					
	TTCAGATGTC AGTGGGAGCC	TCCAGGTGGG	NGGNGAGCAT	GCCTAANCCC	TGGTGGCCAT	240
	TGTNCTGTAC TANGGAN					257
20	270 ID No. 2442					
	SEQ ID NO:6416					
	SEQUENCE LENGTH: 138					
	SEQUENCE TYPE:nucleic	acıd				
	TOPOLOGY:linear CLONE:HUNGS07582					
25	SEQUENCE DESCRIPTION:					
	GATCCACAAG GCTTCTGTAT	AC A CTTC & CC	CTCCTCCCC	ምም ርር ምምር ምክር	# 1 # ################################	
	ATCCCAAAGG AGAGCTACTG					60
	AGTTTATTAA AATGCAAA	INCIUNCIUI	ACTIVIOUAA	INCAUCUCII	CATTAAATTA	
30	AUTITATIAN ANTOCAAN					138
	SEQ ID NO:6417					
	SEQUENCE LENGTH: 331					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
00	CLONE: HUMGS07583					
	SEQUENCE DESCRIPTION:					
	GATCTAATGG GACACGGCCA	GTGCCTAGGG	GTGCCAAGTC	CAAGGCCTCC	CACTGGGNGT	60
	AATCGCTGAG AAGATGCCAA					120
40	CAGGACGGCT GTNATGAGGT	GGCCCTCCCT	NTNAACCCTG	GTCCCTGGAG	TCCCCAGCAC	180
	CTGGGGCCCT GGTGGGGCTG	ATGTCACAGG	TGTTTACTGT	GCTGCTGCAC	TGGTCCTATG	240
	NCAGCTTCAC CCCATGTGGG	GACCACGGAA	GGNACAATNC	CTTACCCCCG	NTTGCCGGGN	300
	CCGTGCGGTN NNCAAGANGG	GNCAAGGANG	N			331
45						
	SEQ ID NO:6418					
	SEQUENCE LENGTH: 337					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
50	CLONE: HUMGS07584					

	SEQUENCE DESCRIPTION:					
	GATCCAGCTT ATCCTTTAAT	TTCAAAGTCC	ATTCTTGGGG	CTGGTGGGGA	GGCAGGAGAA	60
	TACCCCTCCC TAAGCCCTTA					
5	GAGACCTGGG TGGTGACTGA					
	GCTTGATTTT ANGGTTTNAT					
	TCCCAAGANN TGTGTGGGCC					
	AATTTCTGGA GCANGGNCCC			IGIIGGICAI	CITICOCIA	
	to to don't do mind direct	Tunumcont	UCCANAN			337
10	SEQ ID NO:6419					
	SEQUENCE LENGTH: 350					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
15	CLONE: HUMGS07585					
75	SEQUENCE DESCRIPTION:					
	GATCATGGAT GTAGCATACA	CCALANTCCA	CCCACACCT	TCCAAATNA	CCCTACTACT	co
	TTNATTTTGC CAGATTATCA					60
	AGTACTTCAT AGAATTATAA					
20						
	TTCCTGAGAC TGGGTGCAGT GTCTAGAGCA ANTTGTACAC					
	NTGGGTGCCT TAGANGTNGT				GNNCACATTT	
	MINDRIGOCI INGANGINGI	MIIIINCAIG	IGIGCIAAIN	IGCAGITTCN		350
25	SEQ ID NO:6420					
25	SEQUENCE LENGTH: 362					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS 07586					
30	SEQUENCE DESCRIPTION:					
	GATCCAGGGT CTNAACCGCC	CTCCCACCAC	GAGGGCATCC	CCCCACACC	ACCCCCCCAC	60
	GAAGAGGAGG AGACAGAGGG					60
	CCCTGGGCCA GGTTTAGAGC					
	GACACCCTTG TTTCCGGTGG					
35	CTTTGGGGTC CAGCTGCCTT					
	GGCTGTGGAA ATAAATCTTT					
	GN ATRACTOTT	occidiiiaaa	NIMAMAMA	ANIAINANNI	GIGMMMMGII	
	uii					362
40	SEQ ID NO:6421					
	SEQUENCE LENGTH: 114					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	uu.u				
	CLONE: HUMGS07587					
45	SEQUENCE DESCRIPTION:					
	GATETNETET CCCACCCACA	CTTATCTCCC	CCAGGGCCAC	TCCAAAGTCT	ATACACAGGG	60
	GTGGTCTCTT CAATAAAGAA					114
	navana visitiani	J. GIIGHIIA		101000011	TIME	114
50	SEQ ID NO:6422					

5	SEQUENCE LENGTH: 62 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS07588 SEQUENCE DESCRIPTION:	acid				
	GATCTTTGCT ACTGGAGTCC	TTTAACAACA	CCTATAACGA	TAAAAAATTC	CTAATTNTTA	60 62
10	SEQ ID NO:6423 SEQUENCE LENGTH:96 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS07589 SEQUENCE DESCRIPTION: GATCCTTCAT ATTTAATTAA ATNATCTTAA TAAAACCTGG			TGTATGTTGA	AATTTTNCCA	60
	ATHATOTTAA TAAAACCTUU	CANTITAAAA	NCCAAA			96.
20	SEQ ID NO:6424 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS07590					
25	SEQUENCE DESCRIPTION:					
	GATCTATTTA TNTAAGTATG AATTAAAAAA GTNATGATTA		TATCTNAAAG	TGTCCGATTC	ACTACTTGTA	60 88
30	SEQ ID NO:6425 SEQUENCE LENGTH:314 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS07591 SEQUENCE DESCRIPTION:					
	GATCAGAAGA AGCTACAGTT AAAGCTTAAT ACTCTGGAAA	CCAGACATCT	GGTCTTTCTC	ATGCGTAGGG	AGCAGTGTAA	
40	ATGAAAGTGA AGTCAAACGG TCAGCTTAAG GTTTAGATGA ATTATCCCCC TTTTNCCATA NAATTAAACT TATN	NGATAATCTT	TAACTTTGTT	TACAATTTTG	NCTATTTNGC	240
45	SEQ ID NO:6426 SEQUENCE LENGTH:91					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07592	acid				
50	SEQUENCE DESCRIPTION:					

	GATCCTGTGG TGTTGTATAA AAAAATAAAC ACAAAGTTGT			ACCCATGACA	AGATTAAAGC	60 91
5	SEQ ID NO:6427					
10	SEQUENCE LENGTH: 122 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS07593	acid				
	SEQUENCE DESCRIPTION:	**********	1117116167	CCTLLLCTUT	GC L G T T L L L L	00
	GATCTTGTGC TATAACTTTT GTAGGTGTNT AAATATTTTT					60 120
15	AA					122
	SEQ ID NO:6428					
	SEQUENCE LENGTH: 293 SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY: linear	uo14				
	CLONE: HUMGS07594					
	SEQUENCE DESCRIPTION: GATCCTAACC CCTGCAGGGC	TCAGGGGTCA	GCAGGGACCC	ACTGCCCCAT	CTCCCTCTCC	60
25	CCACCAAGAC AGCCCCAGAA					
	CTGGCTTTTG TGGGACTCAG					
	GGCAGCGCTC ATAGCGAAAG					
	GAACTTAAAA ATTCAATCAA	AIGAACAAII	AAATAAACAC	CIGIGIGITI	AAA	293
30	SEQ ID NO:6429					
	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acia				
05	CLONE: HUMGS07595					
35	SEQUENCE DESCRIPTION:					
	GATCTGAATT TGTAAGTTAT					60
	AGGGGGATTT GTTTGCACAA TCATATTTAG TGATTTCAAA					
40	ACACACTTCT NGGTTGGTTT		IAMITUALIUA	CIUNCIAAAI	MINDUINCC	209
	SEQ ID NO:6430					
	SEQUENCE LENGTH: 200 SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY: linear	acru				
	CLONE: HUMGS07596					
	SEQUENCE DESCRIPTION:					
	GATCTCCCTC AGTNTGCCCC					
50	TTTTGTTTGT TTGTTTGTTT TCCACTCCTC ACATTCCACG					

	TAAAACCATT TTCCTGCAAA					200
5	SEQ ID NO:6431 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07597 SEQUENCE DESCRIPTION:	acid				
10	GATCTNATTC CAGGATTGCT TTTCCCAAGA CAAAGATGTC GTATTATTAA A					
15	SEQ ID NO:6432 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS07598 SEQUENCE DESCRIPTION: GATCCTGAGC TGTCCCATTA	AACATGGCCC	TGTCTCGGTA	AA		42
25	SEQ ID NO:6433 SEQUENCE LENGTH:332 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS07599 SEQUENCE DESCRIPTION: GATCCACTAG ACAGTTTNCA ATTGATTCAA TGTGAACGAT TGCTGTTTAG TATTCGTTTG	TACGGTCTTT ATATTGTNAC	ATGACCAAGA TTTTCACCTG	GTCTGAAAAT TTGAGCCCAA	CTTTTTGTNA ATNCAGGATT	180
35	GGTTCAGTGG CAGCAATGAA CTCTGTGTCA AACCTGTGGC ANTATACTAA AAGNCTTTAA	CACTCTATAT	GCACTTNGGT			
40	SEQ ID NO:6434 SEQUENCE LENGTH:224 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7600	acid				
45	SEQUENCE DESCRIPTION: GATCAATACG GGTCTATTTT CAAGATTGTN AAATTGAGAC GTGAATGGNC TGAAATGTTA GTGTTTGCAC TATACTTNCT	AAGTAATTGA AATGTGAATG	ATAATTTGTC TNCATTTCTN	CTATTTTAAT AATTGCAACT	TTTAAAAAAA	
50	CEO ID NO. 6425					

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5	SEQUENCE LENGTH: 188 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07601	
10	SEQUENCE DESCRIPTION: GATCAAAAAG CACAAAGAGC TGGGGCAGAG GCAGGAAGCA GGGGCCCTCC TGGCAGCTCC TCTNAGTGGG GAGAGGTTGG GCAGTGAGTG AGGGACCCCT AATGCAGGGN CTAGAAGCCT 1 CANTITCCCC NTTTTACCCT TCCACACAAT AGCCTCTGTA GGNNAGGCTG CCCCATNCCA 1	120
	CCNGGNTN SEQ ID NO:6436 SEQUENCE LENGTH:256	188
15	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO7602 SEQUENCE DESCRIPTION:	
20	GATCTAGGAC TAANACTTAA AATGTGGTTG GAATCTCACT CAAGGCCTAC CCACCTAAAA CTGCGTTCTA GCAATTGCAT GCTGACTGCA CCTATGAGTC GTAAGNCTGT AGTTGCAAAG 1 TGTGTCTAGT TTNANATTCT TTCTAAATAC TGGTACGGGN AACAGGCATT CCAGNACTTG 1 TGGCTTGCTG GNGGTGGTNT GAGTNATGNG GAATCTTGGG AAGGGGTTCC TGCCCCTGGG 2	20 80
25	SEQ ID NO:6437	56
30	SEQUENCE LENGTH:240 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07603 SEQUENCE DESCRIPTION:	
35	GATCCAGGGC CTTTNAAACA TCCCCAAAGT CATGGCCATA CTCACCATTA GCCAGTTTCT AACATCTGTT TCAGGGTATC CAGCTGTAGA TGTTCTTATC CCCCATACTT GTGAGTTCTT 1: GGGGTTGCTC ACAAATACTA GGGGTTTTTG TTGTATTTTT AACAANTATA TCCTAATGTC 1: ATATTNATNC TCTTTTGTAA CTGCTGGTCT TTACANTAAA GGNGTCATCT GCCTTTCAAA 2	80
40	SEQ ID NO:6438 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07604	
45	GCAAACATCC GTTCAAAATC TGAGTCGGAG CTAAAAATAA AAAATGAAAA ANCAGAAATA 1	60 20 25
50	SEQ ID NO:6439 SEQUENCE LENGTH:321	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07605 SEQUENCE DESCRIPTION:					
	GATCCGCCTG CNTCGGCCTN					
	CCACTCCCTT GAGACCCAGT					
	TAGATGAGAT AGATGCATTT					
10	GGGTAGCTGT TACAAAGTGC					
	TTTTCCCACA GGTGGCAGCT		AGCATTAGAA	CAAACCATGC	TGGGTTAATA	300
	AATTGCCTCA TTCGGTANTG	N				321
	SEQ ID NO:6440					
15	SEQUENCE LENGTH: 123					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07606					
20	SEQUENCE DESCRIPTION:					
	GATCTTTGTC CAGAAAATAA					
	ATATGCACTT AAGANTATGT	GTACAAGAAA	ATAGTTTCTA	ÄAATAAATTG	AAATGTCTGC	120
	AAA					123
25	SEQ ID NO:6441					
	SEQUENCE LENGTH: 284					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
00	CLONE: HUMGS07607					
30	SEQUENCE DESCRIPTION:					
	GATCCACTCT GGACACTCAA					
	CATCATCATC ATCTCATGCC					
	CTCTTACTCC CATTINTGCT					
35	TGGAAATGTA CTGCAGGCTC				GACATTTTTN	240
	AGCTCTTTGC TATTGAAATA	ATAAACCACC	CTGTTCTGTG	GAAA		284
	SEQ ID NO:6442					
40	SEQUENCE LENGTH: 215					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07608		•			
	SEQUENCE DESCRIPTION:					
45	GATCTGGTAC GNGGTGGACG					
	CGACCGGCAG GCCTCCAGCC					
	ACGNGTGTGT ATAGTATCTG			CTTGGTGCAA	AANCAAANTG	180
	GGGAANNTAA GGATAACTCA	GNATTTCAAA	AGGAN			215
50	SEQ ID NO:6443					

5	SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07609	acid				
	SEQUENCE DESCRIPTION: GATCTNAGAC TTCTCACGTC A	CAGAACTGTA	AGCAATAAAT	GTCTGTTGTT	TATAAATTAA	60 61
10	SEQ ID NO:6444 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGSO7610 SEQUENCE DESCRIPTION: GATCCTTGCT CTACCTGGCT CTTTTACAAC ACAAA	AGAGTTTCTN	CTCATCAGAG	CACTGGGACA	TTAAACCAAC	60 75
20	SEQ ID NO:6445 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS07611 SEQUENCE DESCRIPTION: GATCTCAGCT CAGAGAGAGA CCAATTCCAC TCAACTTTTG	GCACAACTGT	TAATCTGGGC	CTTCACCTAC	CTTAAACTGA	120
30	GTTTCTGCAA GCATAGCATT AATAAAGTTC ACTCTTAACT		TGGAATAACC	TTTTGGGAAT	GATGCCACAG	180 207
35	SEQ ID NO:6446 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07612 SEQUENCE DESCRIPTION:	acid				
. 40	GATCTGATAG TGGTAGGTCT AAGTCAATTC CTATCATTTG AGGTTTCGCC CACGTTATTT TTTGAAAATA GTAACAAAGG TGAAAGTCAG GCATGTCTTT	TACTTGACAC ATATAAAGTA TAACCCAAAC	CAGCTACCTA TCTCAGTGTA GAGAAACTCC	GCAGGCTCAT ATATAGGGAG ATTTCCATAA	TGTGAACTTC TTGCTGGTTA TTNGCTTTCC	180 240
45	GAAATTN SEQ ID NO:6447 SEQUENCE LENGTH:219					307
50	SEQUENCE TYPE: nucleic	acid				

		CLONE: HUMGS	07613					
		SEQUENCE DE	SCRIPTION:					
		GATCTGCCTG	TTTATTTTGG	TGGGTGGTCT	TTCCTCCCTC	CCCTACCACC	CATGCCCCCC	60
	5	TTCTNAGTCT	GCCCCTGGCC	TCCAGCCCCT	AGGGGACTAG	CTGGGTTGGG	GTTCCTCGGG	120
		CCTTTTCTCT	CCTNCCTCTT	TTCTTTCTGT	TGATTGTCGC	TCCAGCTGGC	TGTATTGCTT	180
		TTNAATATTG	CACCGAAGTT	TTTNAAATAA	AATTTTAAA			219
	10	SEQ ID NO:6						
		SEQUENCE LE						
		SEQUENCE TY		acid				
		TOPOLOGY: 1 in						
		SEQUENCE DES						
7	15	GATCTGGTGT A		ልጥሮሮሮል ጥጥጥ	ርምም ልም ልምም ል ያ	A A A A TOTO TO	0.00.00	
		TTTTATTTCC 1	TTTGTAATTT	ACATTTCACA	LIGHTATIAA	AAAAIGICIG	CATGATTACA	60
		GANTATGAAG A						
		CAGCCATAAG A	ANTGGGGCTT	ATATAANCTC	TGTACATGTA	ACATTTTCTA	CACACAATTT	180
2	20	TTAACTTTAT A				AUAIIIIUIA	CAUAUAAIII	272
								414
		SEQ ID NO: 64	149					
		SEQUENCE LEN	NGTH: 300		.*			
	25	SEQUENCE TYP	E:nucleic	acid				
•		TOPOLOGY: lin	near					
		CLONE: HUMGSO	7615					
		SEQUENCE DES						
		GATCCACCCG C						60
:	30	ATGTATATCA T						
		AGTTTTCAAT I						
		TTATTTCTCC A	TAAGAGTTT	CACATTTCTC	CTGCTAGGAA	ATCCATGGGG	AATATTGGAA	240
		TTGGGCTAGT T	TTAATNNNA	TNNCTAATGT	TTAANGGTTC	TGAAAAANAT	TGGCGNCAAA	300
;	35	SEQ ID NO:64	50					
		SEQUENCE LEN						
		SEQUENCE TYP		acid				
		TOPOLOGY: lin		uciu				
4	10	CLONE: HUNGSO						
		SEQUENCE DES	CRIPTION:					
		GATCTCCACT T	TNCCAAAGG	GCTGCNAGAG	GTGATTGANA	AGAACCGGCC	TGCTGATGTN	60
		AGGGCGTCCA C						
		GGCAGCTGTC A	TTCAGGACC	CCAACCCCTC	TNAGCCCCTC	TTTTCCCACA	TTCATAGCCT	180
4	1 5	GTAGTGCCCC C	TCTAACCCC	CAGTGCCACA	GAGAAGACGG	GATTTGAAGC	TGTACCCAAT	240
		TTAATTCCAT A	ATCAATCTA	TCAATTACAG	TCCGTCCACC	ACCAAA		286
		SEQ ID NO:64	51					
,	-0	SEQUENCE LEN						
٠	50	405.00 0014	II . U I			*		

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7617 SEQUENCE DESCRIPTION: GATCTGTGCA GAGAGAGATG GCAGCCACTC CCTTCAGTCC TCCCAGATTT CTGTAGCTAT 6 TTATGTAGCA GGCTCAATAA AATGTCTTCT CTCTAAA
10	SEQ ID NO:6452 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid
15	TOPOLOGY:linear CLONE:HUMGSO7619 SEQUENCE DESCRIPTION: GATCHNAGGC ATHITCHT CAGTCAGAGC ATTCAATCCT CAAGCCATTC ACACATTTAG 60 GCCTCATGCT TTHTCCTGTC TTTAATCACA TCCATTTCCT ACACTCATTG AGN 113
20	SEQ ID NO:6453 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	CLONE: HUMGS07620 SEQUENCE DESCRIPTION: GATCATAAGT CATTCCCCTC CCCTTCCAGG CCTCCTGCTA TATTTGGGGG ACCTGACTNG 60 NTTNGCTGGA GTCCCATGAG GATGTGGGCC CNTTAATAAN GGATAGCAAA CAGGCAAA 118
30	SEQ ID NO:6454 SEQUENCE LENGTH:233 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE:HUMGS07621 SEQUENCE DESCRIPTION: GATCCCAAAA TCCAAGGATG CTTCGAATCC CTTATATAAA ATGGCATGGT ATTTGCATAT 60 AACCTACATG CATCTTCAAA TATGTTAAAC CATCTCTAGA TTACTTATAA TACCAAATAC 120
40	AATGTAATGC TATGTAAACA GTTGTTACAA TGGATTGTCA AAGGCAAGCT CTNCTTGCCC 180 ANTNCGGGCC AANTGNGNGG TNCATGAGCA AATTAANTNN NTGCTGGTAT TTN 233
45	SEQ ID NO:6455 SEQUENCE LENGTH:253 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07622 SEQUENCE DESCRIPTION:
50	GATCCGAATT TCCTGCTCTA AACCCTCCAC TGCTTTCTGC TGTTTCCACT GAGGAAAGAG 60 GATGTGTGTC ATTAAAGCTT TGTTGGGACC TGTCACAGTC AAGGTGGGTA TAATTATGTT 120 TAATTTATTG AAGTGTTTCT GGGCATCGTC TTTTTCAAAT TCATATANG TATGACAGA

	ANGTGNATTC ATTNNNCATT	ATNAAAAAAA	ATAAAATATT	ACCAGATAAA	GCTCANCACT	240 253
5	SEQ ID NO:6456 SEQUENCE LENGTH:44 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07623	acid				
10	SEQUENCE DESCRIPTION: GATCTTTCCT ATCAGTGTAA	TAAAAACTCA	TATTATGGCA	GAAA		44
15	SEQ ID NO:6457 SEQUENCE LENGTH:320 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07624	acid				
20	SEQUENCE DESCRIPTION: GATCAGGCAG GGTGCCATTN TATTTGTACT GTACCCTAGG TGATAGGCCC TATCCACAAG	GGTTCTGGAA GGCCATGACT	GGGAAAACAT GGGAAAAGGT	GGAATCAGGA ATGGNAGCAG	TTCTATAGAC AAGGAGAATT	180
25	GGGATTTNAG GGTGCAGCTA GGCCCAGACT GTTAAGCAGG TGTCTTGAGA CTCCATCCGN					
30	SEQ ID NO:6458 SEQUENCE LENGTH:179 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS07625	acid				
35	SEQUENCE DESCRIPTION: GATCCAAATN AGAACAGATT GCAAAAGAAA TATTAAATGA CATAATGTGT ATAATTGTGT	TTTAGCAGTC	TCCACGTGTG	TTAATGTTTC	AAACGTGTAT	
40	SEQ ID NO:6459 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07626	acid				
45	SEQUENCE DESCRIPTION: GATCCATTCG CCCCAAGGGG CAGAGGGGCT TACACGATAT CTNATGAGAA TATTGCTGGC AACCTTAAGC TGATACTTTG	CCCATACCTT CCTGCTTTCC	TAATGCCTTT CTGGTAGGTA	GGCCTTCCAT TTTGCCAGGC	TCTNATTTCN CCAATGCTTT	180
50	ACTACGGCGC TCTATATTTA					

	TTCATGGGTA CNATNGTAAG NAAANNTAAA ANTTTTN	337
5	SEQ ID NO:6460 SEQUENCE LENGTH:101	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE: HUMGS07627 SEQUENCE DESCRIPTION: GATCGGTTGN GNCATCGAGT GGGGGGTTGG AGGTGGAGT WARRENDEST WARRE	
	GATCGGTTGN GNCATGGAGT GGGGGCTTCC AGGTGGACCT NCCCGGCACA CATTCCATTT NTTGAGCCCC AGTCCTGCCC CCCACCCNAC CCTCCCTACC N	60 101
15	SEQ ID NO:6461 SEQUENCE LENGTH:138	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE: HUMGS07628 SEQUENCE DESCRIPTION:	
	GATCCTTCTT GGTTAGTATT ACTTGTNCCG GAGCAATTCT NATTCCTCGT TTAGACATTG NNATTTCCTT CGTTGGAGCT GTGAGCAGCA GCACATTGGC CCTAATCCTG CCACCTTTGG TNGAAATNCT TACATTIN	60 120
25	SEQ ID NO:6462	138
	SEQUENCE LENGTH: 172 SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS07629	
30	SEQUENCE DESCRIPTION: GATCTNATTA GNNTAGTAAT GTTTTCCCTT TAAACAGATT CATCATTATC CCTAAAGTAT	60
	TGCTGTATTA ATACTGTCTT CTAGAAAGTA TACACCAGTN CCTACTTTCC TCCGATATCA	120 172
35	SEQ ID NO:6463	
	SEQUENCE LENGTH: 239	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	
40	CLONE: HUMGS07630	
	SEQUENCE DESCRIPTION:	
	GATCCACAGA GTTCATAGGC ATGATTAAAT GGTAGTAGTT TTCCACCACG AAGTTTTGGA ATAATTTGTC ACAAAGCAAT ANGGTAATTA GAAAAATAAC CTTTCAGAAG GAGACAGTTT 1	60
45	CTCCAAAGCT TGGGTACTTT CGCTTAATAT TAAANAGTGG ANGGAATTTT TTNCCTGCCA 1	20
70	GNCAAAAGGC AGNAGGTGTA TTTCTAGAGG ATGGNTAGGG AANTHING	39
	SEQ ID NO:6464	
50	SEQUENCE LENGTH:213 SEQUENCE TYPE:nucleic acid	
	400000 IIID. MUCIEIC ACIU	

	TOPOLOGY: linear CLONE: HUMGSO7631 SEQUENCE DESCRIPTION:	
5	GATCTGCATT TAGCAATGTG ATGTCAGTAA ATGGACATAA CAGGATTGTT GTAAAGGTTG 6	30
	GGCATGATGT ATGCAAAGTA CTGGCCAGGG TAGACTAATA ACTGATGGCA TTTATATGCT 12	20
	GTGCTGGAAT ATTGTTACCA AGCTGATGTG CCGTTCTCAC CCNGGGNGAA TACTGGTTTT 18	30
	GTCATTTCAT AAATGATATT TTTATAANTA AAA 21	13
10	SEQ ID NO:6465	
	SEQUENCE LENGTH: 329	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
15	CLONE: HUMGS07632	
	SEQUENCE DESCRIPTION:	
	GATCTGGCCA AGAATGAGGC CCTCCCAACA CTTTCACTCC CTCTCCAAGC CTTGATGGGA 6	
	CCTCCACTTA TTTAGGCCTN ATGTGCTTTG AAGAAGCTTT GAGAGCCAAT NTGTCTTCCA 12	
20	CGGGTCTCTT TTTTGCTACA AGTAATCAGC CCCATGTNTT CTCTTAAACT GAGAATTGCA 18	-
20	CCGGGGGCAA TTCCTGTTTT CTAAGGTGGT CTCTGCTGCT ATTTAACAAC CCAGAGTAGG 24	_
	CCTCTGTNAG GCTTCAGTGG CCTCAGAAAC CAGAGGGTCC AGATAGGGGG CCTGCTTGGG 30 CCCTCTGCTG NCAAACTGCT TAAAANTTN 32	
	CCCTCTGCTG NCAAACTGCT TAAAANTTN 32	.9
25	SEQ ID NO:6466	
	SEQUENCE LENGTH: 236	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS07633	
30	SEQUENCE DESCRIPTION:	
		60
	AGCCCTTATT CAATGGCCTT TTNCTTTTTC AGTAGTACAT ACACATCTGT GTCATTNGTT 12	
	GAATGACGNC ATGAATGTTT TGTAGATAAA ATATAATTAA ANGNTTTTAA GCATTTCTNA 18	
35	CTCATAGATA TTNATGTTAG CACCAAATTT GNTGTGCAAT GANCCTCCCT ANATAN 23	36
	SEQ ID NO:6467	
	SEQUENCE LENGTH: 239	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUMGS07634	
	SEQUENCE DESCRIPTION:	
	GATCTATGCC TTAGTGTTGT TTTTNTTGTC TGCTTTGATG TAAAAGCAAG AGTATTTGGA 6	30
45	GCAAGAAGCT GCAATGCGCC AAATACACAN TAGGCCTTTC NTTTATCATT CATACGACAT 12	20
45	TTCTGGTTTA GGTGTATGTA GTTGGGCCAT GTTACTTGTC CAGAGGAAGA GNCTAAAGAT 18	30
	ATACGGNTAA TTTTTTAGTC CNTAATGCTG TTTTGNTTAC NTNCTNTCAN GGTTATTTN 23	39
	SEQ ID NO:6468	
50	SEQUENCE LENGTH: 82	

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07635 SEQUENCE DESCRIPTION: GATCGAGCAA TTGCAATCCA GCCTGGGCAA CAGAGCGAGA CTCCATTTCA AAAAAAGAAT CAATAAAAAT GTTAAAAGCA AA	60 82
	SEQ ID NO:6469 SEQUENCE LENGTH:348 SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY:linear CLONE:HUMGSO7636 SEQUENCE DESCRIPTION: GATCCGTAAG GCCATGACCA AGGAGGCCAT CCGAGAGCAC CAGATGGCCC GCACTGGCGG	60
20	CACGAGACAG ACCTGTTCAC CTGCGGCAAG TGCAGGAAAA AGAACTGCAC CTACACACAG GTGCAGACCC GCAGCTCTGA TGAGCCCATG ACCACCTTTN TTGTCTGCAA CGAGTGTGGA AACCGCTGGA AGTTCTGCTG ACCCCTTGTG TAGATGTGCT GCAGCCTTNG GCCTTCNCGG GCCACGTTCT TCGTTGACAN AGGTTNTNTT GGGGNCCCCT AGGAAGGCGG TATGTNCCTN	180 240
25	GCCNTTNAAN CITGNCTGGN TTGGATTGNA NCTTTTTTGN CCTTTTTN SEQ ID NO:6470 SEQUENCE LENGTH:178	348
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7637	
30	SEQUENCE DESCRIPTION: GATCGTGAAA TCTAAGGCTG CTTGATGTTC TGATGCTTGT NAATGCCGTC GTGCTCTGTG ACTCCACGAA ACGCCAAGGA GCTTCTTCCG GACGNCTCCT CTTCCTCTGT AACATACGTG TGAATAGTCA AGGTTTAATT TTNCTTTAAT CTAATAAAGT CGAAGTGGGA CTNTTAAA	60 120 178
35	SEQ ID NO:6471 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear CLONE:HUMGS07638 SEQUENCE DESCRIPTION: GATCCAGCAC ACCTCCTCGG TTTTTTTTTC AATAAAAGTT TAGAAAGAAA	50
45	SEQ ID NO:6472 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE:HUMGSO7639 SEQUENCE DESCRIPTION: GATCTCTGTG AAACAAAATN AAGCAAGAAC GGAGACGCTG AATAGTTTTA TTTCTNTATT	60

	AGAAACTGTG ATTGGAACAA	TTGAAGAAAT	AAAATCATAA	CAGAGAAA		108
5	SEQ ID NO:6473 SEQUENCE LENGTH:210 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07640	acid				
10	SEQUENCE DESCRIPTION: GATCTGAAGA AAGCAGCAAT ANTTCTTAGA TGCATTTAAN					60 120
15	TATTACTNGT GTTTAAAATG TTTGGTTTAG ATGGTTAANT		AATACAANNC	AAATGGTAAA	GGGGATTATC	180 210
20	SEQ ID NO:6474 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07641 SEQUENCE DESCRIPTION:	acid				
25	GATCAGCAGG ACTGTCTCCA GCTCCCAAGA AGTCAGAGGC AGCAAAAACT TCTCCCTCAA AGGGTATGTC CTGCTCCTTT ATACTTCAGN CTGTTTTTTT GGGCAAA	AGCNGTCGGG GAACAGAAAC CCACCAGTGA	GCGGAGGTGT GTTTTACCNN TTTGTATTAA	CCATNACCTC CTATTGTATG GNCAGCACTT	CCCAGGACAG ACCTTTGCTG ATATTGTACA	180 240
30	SEQ ID NO:6475 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS07642 SEQUENCE DESCRIPTION: GATCACAGGT TAGGGGTTTC	TCTAGATGGG	GGTTCTGAAA	TTTGCAGTGT	стестссте	60
40	GAGGCAGCAC CAGAAAGGGC CAGGTTTTCT AATCCAGAAA	ACTGAAATGT	ACTAGCTGGA	TGTNACCCAG	TCTTAATAAN	120 140
45	SEQ ID NO:6476 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07643 SEQUENCE DESCRIPTION:					
50	GATCAACTTT GTATATTCAC TGCTATTATA TGGTCAAGGC GGGTCAGGGA AAATTATTTC	ATTTATCAGC	ACTATTGTAA	TGAACTCATG	TAAGTGGCAT	

	CATTAAA	187
5	SEQ ID No:6477 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE: HUMGS07644 SEQUENCE DESCRIPTION: GATCTTGTAT ATTTNATTTT TAAAAAACTA GAATAAACAG AGAGGCATAA NCATATCTTA GAGTCCAAGT GGTAGTGTTT AGCATTGGAT ATAATAAATG GATGTTTTAC AAA	60 113
15	SEQ ID NO:6478 SEQUENCE LENGTH:276 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE: HUMGS07645 SEQUENCE DESCRIPTION: GATCTCATTA TGGGCTAAAA TAAGACAATA TTCAAAGGTC AGAGATATCT AGCCAGAATC TNATGGAGGC TGGATTTCAG ATTTTNTNAC AGAATTAGAC AGAGGACAC AGAGGGGACA GGCTCAGTTA GGGTGGAGGT GTGGGGTAGG GAAGCAGGNC TTGATATAAN TNATTGGAAT	
25	CATTGTCTTT TAANCCAGTG GTTTATGTCA GGGTATAGCG TTTCANGGGA TTTGAGGGTC	
30	SEQ ID NO:6479 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07646 SEQUENCE DESCRIPTION:	
35	GATCTGTCAC TGTNTCCCGT CACGCCTTGA TGGGACCGTC TAGTTGCTGG AAAACAAACT CAGGGCTCCC ACTGATTCTA CATTATGGTG TGTTGTACAA TTATTTCATT ATATATNACA AGGTAATANT AATAGANATA AAATCCACAG TAANTGCAAA	
40	SEQ ID NO:6480 SEQUENCE LENGTH:158 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO7647 SEQUENCE DESCRIPTION:	
45	GATCATAAGT NTTAGGACCA AAGGTGTTTT TAATGAGATA ATCTTTTTNA TTTNNTAACA AGAAAGGAAA TATTCACTTT ACATTTTAAC ATCAACTTTT AAGTGATATT CAGANTTAAT TGACCATGGT GATACGTTGT AAAANGTTTN CATATTAN	
50	SEQ ID NO:6481 SEQUENCE LENGTH:112	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7648 SEQUENCE DESCRIPTION:				
	GATCCAAAAA AAAAAAAAAC TAAGANCCTA ATTAAATAGC		-		60 112
10	SEQ 1D NO:6482 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07649	acid			
15	SEQUENCE DESCRIPTION: GATCCTGTGT GGCCGGTGTT CTTTCTCTGT ATTATATTCA			 GCCCCTTTGC	60 105
20	SEQ ID NO:6483 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
25	CLONE:HUMGS07650 SEQUENCE DESCRIPTION: GATCAGATTT AAAGNCTGGA GCAGCTCCAC CACTGTGCAC				
30	CAGGTATTTA GAAGCAGNGG CTGCACACTC TCTTCTCCAT ANCTGAGGNC CN				
35	SEQ ID NO:6484 SEQUENCE LENGTH:36 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07651 SEQUENCE DESCRIPTION:	acid			
40	GATCACGNGT AAAGAGAACT	GTTTCCTGCC	CTTAAA		36
45	SEQ ID NO:6485 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07652 SEQUENCE DESCRIPTION:	acid			
50	GATCAGCCTC ATCAATATTG CTGTTTACTT AAAATTTTGT ACAAA				60 120 125

5	SEQ ID NO:6486 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07653 SEQUENCE DESCRIPTION: GATCCACACT GGGGNGAAGC TGCGGGCCTC ANCTCCCACC GTGTGGGN	CTTATNAGTG				
15	SEQ ID NO:6487 SEQUENCE LENGTH:329 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7655	acid				
20	SEQUENCE DESCRIPTION: GATCCAGAGA GCTTCCTGAA TGCGGCGGCG AAGAGAAGCT AGTTCCCTCC GNGGGATGCT GTGGCTTGGG GTTTTTAGGC GTTGTCTGTA ANCNAAGCCA GGNCANCTTT CANAACTTGA	GGCTTGCCTT GCATTGGTAC TTCCNGTTTT TCAAAGGGNC	CCACCCTCTG CCAGCCCTCC ATCTCGTGTG	TTCTCCCTCC NCTATCTCAT TGTGGTGCAC	TTGTGCATTA TTTTCTTGGN CAGCTATGAG	180 240
25	UGNCANCIII CANAACIIGA	UINIUANAN				323
30	SEQ ID NO:6488 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07656 SEQUENCE DESCRIPTION:		OTATATAL TO	CTGT.	C14TTT1C1	60
35	GATCTGTACT GTAATTTTGT AACATTCATC CAGTTGCAAT				CAATTAGAA	60 101
40	SEQ ID NO:6489 SEQUENCE LENGTH:215 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS07657 SEQUENCE DESCRIPTION: GATCATGTAT ATAATTGTAA TGACACAATG TTTAGNGATA GCTTTAACAA AATTCTTAGG TTTACAATAA TGTTACTCTA	AAATGTACAT AATNCTTTTA	TATTTTGGTT AGCAATGCAG	CAGTTTTTTA	AAAAANNTAT	120
50	SEQ ID NO:6490					

	SEQUENCE LENGTH: 364 SEQUENCE TYPE: nucleic acid	
5	TOPOLOGY:linear CLONE:HUMGS07658	
	SEQUENCE DESCRIPTION:	
	GATCTCTTTG TATTCTCTTC AAGCCCAAAC CAATTCTGTN CCTTCAATCT AAATAGTGGT 6	n
	AATATGAATG TTTAAGAAAT GAAATAAGAA ACATGTGCAG GCACTTTGGA AGGTGCTAAG 12	0
10	TGACTGCCCT AAGGAATGAA AAGCAAGGGC CAGGTGGGAG TAGCCCAGCG AAGGCACTTG 180	0
	GGCTGCCAGG AACAGGNGGC GTGGGAAACT CTGGCTTAGG NAAACATGAA CACNGGGGCA 240	0
	ACAGCGGCAN ACTGTTGTTC GAGTTAAATC TAANTCTCAG GCTCTTTNAC GGTAAANGGG 300	
	TTANGGATAC TCCATTNNGA TGAAGANAAG NGTGAGGCTG ANNGTAANGC ACATGGCAGN 360)
15	TNNN 364	į
	SEO ID NO.CAO1	
	SEQ ID NO:6491 SEQUENCE LENGTH:85	
	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
	CLONE: HUMGS07659	
	SEQUENCE DESCRIPTION:	
	GATCTTTCTT CTCCTTTAAG CTCTTTGTTA ACATTTCTCT AGACGCAATT TATTGAAAAT 60	j
25	AAAGATTTNC TGTTTACTCA TGAAA 85	
	•	
	SEQ ID NO:6492	
	SEQUENCE LENGTH: 122	
30	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS07660	
	SEQUENCE DESCRIPTION: GATCCTCATT TATGTTTGTA GTTGGAAAGC AAAGCTAGGT AGCCATTTCT TCTGTTCTAC 60	
	CAAGTTATAA TAGCATTCAT TTCCCTTAT ATTTCCCTGA AATAAAGCAC ATTCCACTTA 120	
35	AA 122	
	122	
	SEQ ID NO:6493	
	SEQUENCE LENGTH: 362	
40	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO7661	
	SEQUENCE DESCRIPTION:	
45	GATCCTACAT TAAGGTCATT TGTNAGAATG ATGTTTGTGT TTGTNTAGAG TTGGCTGACC 60	
	TCCAACTCNT GGGGTCAAGG AATCCTACTG CCTNAGCTTC CCAAATAGCT AGGACTATAG 120	
	GCATGCACCC GGCCATGTGT TTTATTTATA GCTCTTAAAG CCCAGATGAA GAAATCACAT 180 TTTTNCCCAT AGTGAAGAAA CATTTGGCCA TTGCTTAGTC CTTNNGGGGG GTGNCTGTCC 240	
	TGTTTTCATT AGATTAGNGA GACCCTGTGT GGGCCACAGT TAATATANNC CATTATCACT 300	
50	TITAAGGTAA CCTGCACATC TTAGGTTTCA TAATTNCCTT ATTGTTCTNG NCTCAAANTT 360	
	GN 362	
	302	

	SEQ ID NO:6494 SEQUENCE LENGTH:328					
5	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07663 SEQUENCE DESCRIPTION:					
	GATCGGGGCA CTGCAGGGGC	CGAGCCATTT	Teggeggccc	CCCTCCTTGC	TCTGCAGGCA	60
10	CCTTAGTGGC TTTTTTCCTC					
	CGGAAGCCAA CTTGGCTTTC					
	CGTCGTGGGA GAGAGACGTG					
	GCTCCTGTGC TACTTTGCCT		TTATTTTCAT	AGATTGAGAA	GTTTTNTACA	300
15	GAGANTTAAA AATGNAATTA	TTTNTAAA				328
	SEQ ID NO:6495					
	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS07664 SEQUENCE DESCRIPTION:					
	GATCCTGTTT CTACCAACAC	ፕር ሮ ልሮሮፕፕልፕ	CCCVCCVVCC	TOCCOTACAC	ĊTCC+C+C+C	co
	CATATTINNT CTCCCTCCAT					120
25	CCGTAGAATT GGAAGGAATT					
	TTAACACCAG CCTGGGCTTG					
	ACCTCAAAAA ATACTTACAC					
	CCCCTAAGGC TGTGTNNGNG	TGGTNTCCAG	NNANCCNTAC	CNCAGTCANT	N	351
30	070 ID NO 0400					
	SEQ ID NO:6496					
	SEQUENCE LENGTH: 122 SEQUENCE TYPE: nucleic	anid				
	TOPOLOGY: linear	aciu				
35	CLONE: HUMGS07665					
	SEQUENCE DESCRIPTION:					
	GATCTGGTAG GGGAGAAATG					60
	ACAGTATCAG AAGGTGGTTT	GACAGCATCA	TAAACAGGCT	GACTGGCAGG	AATGAAAACA	120
40 .	AA					122
	SEQ ID NO:6497					
	SEQUENCE LENGTH: 227					
45	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS07666					
	SEQUENCE DESCRIPTION: GATCANTIGC AAACCTCCCC	CACCCCCTAC	CATCCAATNT	CCACCCAAAA	CANCALOTOS	co
	CTGAAGAAGA GTCCAAGCTA					120

	TNCCACTTCT GTATCCTCAG CTGTGAATNT CTAATGCTAG				GCTGACTTCC	180 227
10	SEQ ID NO:6498 SEQUENCE LENGTH:238 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07667	acid				
	SEQUENCE DESCRIPTION: GATCTTGCCC TTCTCACTCC	AGAGGCTAGT	GGTCACAGAC	AGCTGGGAAT	GGCAGCCACA	60
	GAGGGTCCCC TCTGGGAGAA					
15	AGTGGCCCTG GGAGGTGAGG TTTAAGCCAG TATTCTTTGT					180 238
	SEQ ID NO:6499					
20	SEQUENCE LENGTH: 142 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS07668					
	SEQUENCE DESCRIPTION: GATCTGTCAT AACTCATTTT	AAACTGTGAA	ATATGCCATA	TGAAGAGGGN	TTAAGAGGCT	60
25	GNGAAACTCA TATTTCAACC	AAATCCAGCA				
	TTAATAAAGA TTTAAATGCA	AA				142
00	SEQ ID NO:6500 SEQUENCE LENGTH:160					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07669 SEQUENCE DESCRIPTION:					
35	GATCTGTCAT TGTCTCCCAT					
	CAGGGCTCCC ACAGTTTCTA ATGTAATAAT AATAGAAATA			TTNTTTCATT	ATATATTACA	120 160
						100
40	SEQ ID NO:6501 SEQUENCE LENGTH:266					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS07670					
45	SEQUENCE DESCRIPTION:					
	GATCTGCCCG AGACTCCCAG					
	CCTNTTTCCA CTGTGAGCAG CTGGGGNGTG GATATGANAT					
50	TAGTTGTACC CTACTCCATT					
	TGTGCATNCC AGCTGCCNNA	AATNTN				266

5	SEQ ID NO:6502 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07671					
10	SEQUENCE DESCRIPTION: GATCCAGACT TAGGGACGAG TGAATAGTCT GAAATNCTGT	GCTGTCACT	GTGGGCACCC GTGTGAATAA	TCTGTTCCTG	TTTGTGTGTT CTTCTGAAA	60 119
15	SEQ ID NO:6503 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07672 SEQUENCE DESCRIPTION:		GAGGGA GOTTO			
20	GATCTTCGTG TGAGCCGCGN GTGTTTTATA AAAAGAAAGA			CCTTCGCGTG	CCCCCGNCCT	60 90
25	SEQ ID NO:6504 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07673 SEQUENCE DESCRIPTION: GATCTGTCAG TGTATCAAAA AA		AAACTTGAAC	AACTGATACG	CAAAAAAACA	60 62
35	SEQ ID NO:6505 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07674 SEQUENCE DESCRIPTION: GATCAAGTTT GGTCAGGTTT TTGGAGATGA AA		Ctttgtaaat	AAACTGGTTT	TCATAGCTTT	60 72
45	SEQ ID NO:6506 SEQUENCE LENGTH:221 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07675 SEQUENCE DESCRIPTION:			,		
50	GATCTTTTTT CAGAATGTTG ACGTGCACTT GGNGTNTGCT					

		GTACCCTACA GAGGAAATTC GCGGGCTGTA GGTAANCTAA				TTGCTGTTGA	180 221
5		SEQ ID NO:6507 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07676	acid				
1(o O	SEQUENCE DESCRIPTION: GATCTTCATT TTTGTAATAA	AACGGNAGAC	TCATCCAGTA	AA		42
1	5	SEQ ID NO:6508 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07677	acid				
20	ס	SEQUENCE DESCRIPTION: GATCTTAGAC TTCCCATCCT AA	CTAGAACTGT	GAGAAATAAA	TTCCTGTTGT	TTATGAGCCA	60 62
2	5	SEQ ID NO:6509 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07678	acid				
30	D	SEQUENCE DESCRIPTION: GATCTGCCAT CTAGAACTCA GGAATATGTA TTATTTATTT					60 117
3:	5	SEQ ID NO:6510 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07679	acid				
40	0	SEQUENCE DESCRIPTION: GATCTGTTTA AAAGATTAAA TATTTATAAC AAATATACTG					60 113
4	5	SEQ ID NO:6511 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUHGS07680 SEQUENCE DESCRIPTION:	acid				
50)	GATCTGTCAC TGTCTCCCAT	CACCCTAAGA	TGGGNCTGTC	TAGTTGCAGG	GAAAGAAGCT	60

	CAGGGCTCCC ACTGATTCT			TTATTTTATT	ATATATTACA	120 159
5	SEQ ID NO:6512 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic TOPOLOGY:linear	c acid				
10	CLONE: HUMGSO7681 SEQUENCE DESCRIPTION GATCAGCCGG AAGAGAAAA	NAAGACCCCA				60
15	GAGTGCTTTT TTTTTGGCCA AGNCCCACAG GCACTGGCAC ACCAGGGATT CCAGCTGGGC	CCTTGGGTTG	GNAATAGANG			
20	SEQ ID NO:6513 SEQUENCE LENGTH:217 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07682 SEQUENCE DESCRIPTION:					
25	GATCTTGACC TACAGTTTGA CAGTGCAAGG ATGAGTATCT TAGTTGAACC AAAAGCAANN CTGNCAGNNT NCNNTAATTT	GGGTAGAGTT TCTGTAGTGN	GTGCGTTGTA CATTGAAAAA	CATAACCTTT	GATAGTCATA	
30	SEQ ID NO:6514 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGSO7683 SEQUENCE DESCRIPTION: GATCTCTGCT CACGTTGCCT TCACTGTTTC TTGTACAGCC	CCCTTCATCT				60 119
40	SEQ ID NO:6515 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic	acid				
45	CLONE: HUNGSO7684 SEQUENCE DESCRIPTION: GATCTGATGG TTTTATAAGC CGCTGTGAAG AAGGTGCCTG GCCTCCCTGG CAATGCAGAA	ATCTGGCATT CTTCTCCTTT	GCCTTCCACC	ATGATTGTAA	GTTTCCTGAG	60 120 173
50	SEQ ID NO:6516					

	SEQUENCE LENGTH: 238					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS07686					
	SEQUENCE DESCRIPTION:					
	GATCACCATG TNAGCCTTAG	ACCAAGAAGC	TGGCTAGTCC	TTNCTGTGAA	GCTAATACAA	60
•	TNGNCATTTC CAGACAAATT					
	CTTTAAAATA TATGTCTATA					
10	AGAGATGANT CAGTTTTNGA					238
	manaman onutition		1114000.210		ONG GOTTH	200
	SEQ ID NO:6517		•			
	SEQUENCE LENGTH: 289					
15	SEQUENCE TYPE:nucleic	acid				
13	TOPOLOGY: linear	acru				
	CLONE: HUMGS07687					
	SEQUENCE DESCRIPTION:					
	GATCTGTTTT TNACCACTTC	ACTGAAAGAC	ACC ATTTATC	TACCCAACCC	CAGAAACTAC	60
20	AACTTACTAT TCATTAAATG					• •
	CTATTGAAAA TGTGAATTGC					
	TATTAACCAT GCTTATGACC					
	TCAGNTTGGG GAAGTAATNA				AIGGIIIGCN	289
	TOAUNTIUGU GAAGTAATKA	ANGGANTROA	CCIGGRONCC	CHNUARIAN		209
25	SEQ ID NO:6518					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE:nucleic	:-				
	TOPOLOGY: linear	aciu				
30	CLONE: HUMGS07688					
	SEQUENCE DESCRIPTION:	ጥ ር ሞተም አለጥር ር	CCTTTTCT.C	T	A A A T A CTC A C	60
	GATCCCCCAG GATTCTATTN					60
	GCTGATTTAG TCAGGGCAAA					
35	ATGITACACA AGCTTCTTAC					
	TACATINTAA CAAACTCNGT	AUINCAACCI	AAACINGIAI	NAACGGIGIG	IAAAAN	236
	CEO ID NO.CE10					
	SEQ ID NO:6519					
40	SEQUENCE LENGTH: 157					
70	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07689					
	SEQUENCE DESCRIPTION:	TO - MODERNO T	***********	T00010T0TT	TALLALGEGG	~~
45	GATCAGGTCT GCTTTNAGTT					60
	TTCCGTGAGA AANGGCAGAA			GGCTGGGCCG	NCTICATIONA	
	GTNCGAGGGC GTNCCGTGAC	NACGTACATA	CGTATGN			157
	CEO ID NO-CEGO					
50	SEQ ID NO:6520					
50	SEQUENCE LENGTH: 195					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07690	acid				
3	SEQUENCE DESCRIPTION:	*************	1011101010	TO COLL TO LO		
	GATCTTTCTG GATATAATGA CTGCTTCCGA CACCTCCATC					
	ATCTGCGNGG CAGNCCACTC					
	GNAGGCATAN TTANN	IICIAUUACA	INIUUUIIIC	ANNAGGCACC	NITITUCIAN	
10	dinadonini i i i i i i					195
	SEQ ID NO:6521					
	SEQUENCE LENGTH: 337					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS07691					
	SEQUENCE DESCRIPTION:					
	GATCGAAACC AAGTTATTAT					60
20	TTTTNCTAGT AGGAAACTAT					
	GAATTGTGAT AAAATAGGCC					
	TAACCTAGGT AAAATAAGNN					
	ACTCCAGTGG ATGTATTTTA			TCTNTNTGGT	ANATAGGGTA	300
	TACAAACTAN NTGCCTCNNA	ATNCNAATAN	NTTCGGN			337
25	CEO ID NO.CEOO					
	SEQ ID NO:6522 SEQUENCE LENGTH:331					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
30	CLONE: HUMGS07692				•	
	SEQUENCE DESCRIPTION:					
	GATCATTTCA TGGAATCTTT	GAAGTATCTT	TGACTCTAAC	TTTCACTTCC	TECTCCACCT	60
	TCCTTGGTTT TANTAACACC					
35	GAAATTGNAA AAGTAAAACA					
55	TGAAATGTGT ATGNGTTTCA					
	NGTTCTTNCT NNTGTATTGT					
	CGGNTTCTAA AGNATTGNGG					331
40	SEQ ID NO:6523					
	SEQUENCE LENGTH: 107					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS07693					
	SEQUENCE DESCRIPTION:					
	GATCTGGAAT GGTGTTTTGG				AATNACATGT	60
	GTTGTTGATG TGAGTATCTG	AIGAAAAANC	AATUNCAGAA	IANCUGN		107
50	CEU ID NO. CEOA					

5	SEQUENCE LENGTH: 196 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07694 SEQUENCE DESCRIPTION: GATCTATATA TGTATAAATA TGTATTTTGT CAAATTTGTN ACTTAAATAT ATAGAGACCA 60
10	GTTTNCTCTG GAAGTTTGTT TAAATGACAG ANGCGTATAT GANTTCAAGA AAATTTAAGC 120 TGCAAAANTG TATTTCCTAT AAANTGAGNA GTCTCACTGN TAGCGGTTCT TTATTGCTCA 180
	TTTTTTAAAA ANTGGN 196
15	SEQ ID NO:6525 SEQUENCE LENGTH:257 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07695
	SEQUENCE DESCRIPTION:
20	GATCGGCTCT AGAAACACTG CTTTCCCTTC TTTNCTTTTG TTTTCTTTCT NTTATTATTT 60 TTTTAAAGAG TAAACGAAAG TNCTGTATGA ATTCGGACCC AGGCAGCAAC CACAGGNCTN 120
	GGGGTGAGAC CCTCCTCCTC CCAAGNGAGC AAAAAAGGACC CATGGCCCCC AAAAAAACCC 180
	CTCAACGAGA ATCCTCAGCN TTGTAAAATG CAAAANTGTC TAATGAATAT TTNTATNTGT 240
	NCCATTITTG ATAANTN 257
25	<u>-</u> 0.
	SEQ ID NO:6526
	SEQUENCE LENGTH: 297
	SEQUENCE TYPE:nucleic acid
30	TOPOLOGY:linear
	CLONE: HUMGS07696
	SEQUENCE DESCRIPTION:
	GATCCTATTT AACATGACAA GTAAAATGCT TGCCATAGGA TATTTATATC TAGAACTTTG 60 ACAGACATAC CTAATCATTG TCACTCAGGC ATCCTGCATA TCATTCATTT ATTCATTTGC 120
	CTATCATTTG TTGANCATTT AAAATGTCCT AGATACTTAG NATATGANTG TTGAATGTCA 180
35	CAAAACTGAA TGTCACACTC CCTCCCCTTT AGANATTTNC AGCATGGGAT GCGAGCTAAT 240
	GATATGTAAA TAANTACATA TTTNTAANTA ACACAACCNN AAAANAANAN AAACNAN 297
	201
	SEQ ID NO:6527
40	SEQUENCE LENGTH: 137
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS07697
45	SEQUENCE DESCRIPTION:
	GATCGTGGCC AACGTGGACC TGCCTACGNA GGGTGGGCTC TGACCCAAGT GGGGCCTCCT 60
	TGTCCAGGTC TCACTGCTTT NCACCGTGGT CAGNGGGACT NTCAGCTGAG CTTNAGCTCC 120
	CATGGAGCCA GCAGGNN 137
50	SEQ ID NO:6528

5	SEQUENCE LENGTH:293 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07698					
10	SEQUENCE DESCRIPTION: GATCAGCCTG AGAAGCCACT ATGAACGACA CCCNTGTTCT GAGCTCGGAC GGTGCTTTTG	CAACTTGGCT CCCACTCTGT GTGGNTGCGT	TCCCTCCTCA CTAGATGGAT	GGAAGTCCTT AACATGACTT	TTATTACCAG CTTCTACCCT	120 180
	AAAATATTCC TATAATACTT ACCCAAAATA CTGNTTATNT					240 293
15	SEQ ID NO:6529 SEQUENCE LENGTH:345 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07699	acid				
20	SEQUENCE DESCRIPTION: GATCCACGGG GCCAGGCCAC GTGAAGACAG AACGCTNAGA GGATGTCTTC TAGACATTTA	GTCTGCAGGC	GGCTCCTGTG	CTTTTAATTT	CTGGCTCTTC	120
25	AATTTAAAAA GACAAAACAG ATTTTNATAA ANTCTGAGGC CNNTNNTAAG NGTTAAANCT	AAATGTACGT ATTGATAATG	TCCTTCGCTA NTCNNATCTA	GCTTTAGTCT AAATTTGTAC	TTCTGTTCCC	240
30	SEQ ID NO:6530 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07700 SEQUENCE DESCRIPTION:	acid				
35	GATCCAGAAA ATAGGTACGG AGCAATGCTT TTAAAGTTAT TTATAATCTT ATTTAATGNA AGTTATTTTN TTACAATTAA GCTGGNTATC TNATNTGCAA	CTTTGTTTTA TATNTGTACT TCTACAANGG	TAGACTTTTT TTCAAGTACT	TGTTGTATGT GATGGAGATA	ATTACAGTCT GNCTCAAAAC	120 180
40						
45	SEQ ID NO:6531 SEQUENCE LENGTH:43 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07701 SEQUENCE DESCRIPTION:					
	GATCCCACAC ACTAAATATA	TGGTTGTTTT	GCCACCTTTT	AAA		43
50	SEQ ID NO:6532					

5	SEQUENCE LENGTH: 285 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07702	
10	SEQUENCE DESCRIPTION: GATCTGTTTT TCACCACTTC ACTGAAAGAC ACCATTTATC TACCCAAGGG CAGAAAGTAG (AACTTACTAT TCATTAAATG TTTGACACAA TTGGAATTGT CTTTAATTTC TGTCAGAATG 1: CTATTGAAAA TGTGAATTGC ATGACTTGTA GCATATTCTT TTCTGCAAAA TAGCCATATT 1: ANCATGCTTA TGACAATGAC TGTGCTACTG TCTNTGGAAA ANTGTTTGTC TCAGTTGGNA 2-4 ATNCTAANNG NTTCACCTGC GGANNAAACG CCCCNNNCCN CCCAN 2:	20 80
15	SEQ ID NO:6533 SEQUENCE LENGTH:43 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07703	
20	SEQUENCE DESCRIPTION: GATCCTCTTG TGTATATGCA AATAAACCTA TTATTCACTT AAA	13
25	SEQ ID NO:6534 SEQUENCE LENGTH:194 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07704 SEQUENCE DESCRIPTION:	
30	GATCAAGACA CCTTTTATTA ATAAAGAAGN GACACAGGTG TAGATATGTA TATACAAAAA 6 GATGTACGGT CTGGCCAAAC CACCTTCCCA GCCTTTATGC AAAAAAAGGG GAGANTCAAA 12 GCTTTCATTT CAGAAGTGTT GCGTGGANAA GTATCTGTAA TTAAAGTTTC GANGTAATTT 18	
35	SEQ ID NO:6535 SEQUENCE LENGTH:45 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUNGSO7705 SEQUENCE DESCRIPTION: GATCAAGCCC TGCTTAAAGT TAAATAAAAT AGAATGNATG ATAAA 4	15
45	SEQ ID NO:6536 SEQUENCE LENGTH:38 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07708	
50	SEQUENCE DESCRIPTION:	88

SEQUENT SEQUEN	ID NO:6537 UENCE LENGTH:52 UENCE TYPE:nucleic DLOGY:linear NE:HUNGS07709 UENCE DESCRIPTION: CGCCCAA CTGCACTCCA		AAGACTCTGT	CTCGAAAAGA	AA	52
10	ID NO:6538					
SEQI SEQI TOPO	JENCE LENGTH:55 JENCE TYPE:nucleic DLOGY:linear NE:HUMGS07710	acid				
	JENCE DESCRIPTION:					
GATO	CAGNACC ACTGCACTCC	AGCCTGGGCA	ATCANAGTAC	GACTCCTGGC	TCAAA	55
SEQ1	ID NO:6539 JENCE LENGTH:252 JENCE TYPE:nucleic	acid				
	DLOGY:linear					
	NE:HUMGSO7711 JENCE DESCRIPTION:					
	CAGTCTG AAGTCGATTA	CTAACAGCTG	AAGCTGATAA	AACCATTAAA	GTATACAGAG	60
	ATGACAC AGCCACAGAA					
	AGAGATT TTAATGAATG					
20	GGGAAT TN	AIUUUUIIII	CCNGTCATTT	natocac raa	CIGGOATIII	252
	ID NO:6540 JENCE LENGTH:48					
33	JENCE TYPE:nucleic	acid				
	DLOGY:linear NE:HUMGS07712					
	UENCE DESCRIPTION:			•		
	CGAGNCA CTACACTCCA	GNCCGCCGAA	GCAAGACTCT	GTCTCAAA		48
40		•				
	ID NO:6541 UENCE LENGTH:235					
-	UENCE TYPE:nucleic	acid		•		
45 TOP	OLOGY:linear					
CLO	NE:HUMGS07713					
	UENCE DESCRIPTION: CANACAT TINCTACCIA	TCAATNTTCC	TGCATACAGA	∆ ∆GTGCCCTT	TCCTCAGGAA	60
	GCTGTGT NTCATTTCTT					

	GAANCAGTTT TTAAAAATGG TGATTAGTGN GCGGAAGNAN					180 235
5	SEQ ID NO:6542 SEQUENCE LENGTH:36 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07714	acid				
10	SEQUENCE DESCRIPTION: GATCCTTTTA AATTTAAAGC	AAGTCCTAAA	ATGAAA			36
15	SEQ ID NO:6543 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07715	acid				
20	SEQUENCE DESCRIPTION: GATCCAGCGN GCGCACGCAG GAAGNCGGCG CCCGTNATGA CAGCCAGCTN ATCTCCCAGG	ACGTCATCCA	CAGCATCTTC			
25	SEQ ID NO:6544 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07716	acid				
30	SEQUENCE DESCRIPTION: GATCAAATAT CACTCTCCTA CCNCTTACAA TANNTANCCA				CCTATAACTC	60 110
35	SEQ ID NO:6545 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07717	acid				
40	SEQUENCE DESCRIPTION: GATCTGGTTG TNTAGAAGCA CACCATGGCC AGAAACGTGC GAGGGCTCCC CAGCCATGCT TTTNTTCATA AA	CTGCTTCCCC	TTCGCCTTCT	GCCGTGATTG	TAAGTTTCTT	120
70	SEQ ID NO:6546 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

5	CLONE:HUMGS07718 SEQUENCE DESCRIPTION: GATCATACTG GTTTGTTTCT TATTTTGATT GGAGAAAAAT NAAATTGCTG CATTTCGCAG TGACCCATTT AAA	60 73
10	SEQ ID NO:6547 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07719	
15	SEQUENCE DESCRIPTION: GATCAAATGT GTGGCCTTTG ACTGAAATCA GCCAGCCCAT GGCCCCCAAT AAAGGCAGCT GCCTACTNCT CCNTCTGAAA	60 80
20	SEQ ID NO:6548 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07720	
. 25	SEQUENCE DESCRIPTION: GATCCANATG CGTGTGGCAG CCNAAGGATT TGTTGTAGGA GCAATGNCTG TTGGTATGGG CTATTCCATG TATCGGGAAT TCTGGGNAAA ANCTAAGCCT TAGAAGAAGA GATGN	60 115
30	SEQ ID NO:6549 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07721 SEQUENCE DESCRIPTION:	
35	GATCATAGCA TATCTACTAT TTTATTATTT GATTTTTAAA ATTTAACATT ATATTATGGG TAACCTTACA TGTCAATAAA CAATTCCACA TTGTCAAA	60 98
40	SEQ ID NO:6550 SEQUENCE LENGTH:33 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07722 SEQUENCE DESCRIPTION:	
	GATCAACTIT GGAATAAAGT GATGCCCTTC AAA	33
45	SEQ ID NO:6551 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUMGS07723	

	SEQUENCE DESCRIPTION: GATCCACTGT AATATTTAAT	AAAAAATGTT	ACTATCTGTA	AA		42
10	SEQ ID NO:6552 SEQUENCE LENGTH:24 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07724	acid				
	SEQUENCE DESCRIPTION: GATCAAATAT CACTCTCCTA	CAAA				24
15	SEQ ID NO:6553 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07725	acid				
20	SEQUENCE DESCRIPTION: GATCACGACC CTNTCACGTG TGCTCACTCG GGGAGCTCGG ACCCCTTCCT TAACTCAGAA	CTCTTGAGAC				60 120 141
25	SEQ ID NO:6554 SEQUENCE LENGTH:226 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear CLONE: HUMGS07726 SEQUENCE DESCRIPTION:			TR CORG 1 COC	0.4.00.D0.D0.00	44
35	GATCAGGCAG CAGGAGTGAG TACTGAGTGT CCAGAGCTGC AGCACTTTGC CTACTTTTGT CCTATTTGTC TACCCAATAA	CTCCCCAGGA TCACTNCCCA	GGTTAAGGTG GTGCACTGTG	GGGGCAAAGG ACTCAGGCCT	GGAAGCTTCA	-
40	SEQ ID NO:6555 SEQUENCE LENGTH:46 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07727 SEQUENCE DESCRIPTION:	acid	٠.			
45	GATCAGCCTG GCCATGGTNA	AACCCCATAT	CTAGTAAAAC	TACAAA		46
	SEQ ID NO:6556 SEQUENCE LENGTH:306 SEQUENCE TYPE:nucleic	anid				
50	TOPOLOGY: linear CLONE: HUMGS07729	actu				

5	SEQUENCE DESCRIPTION: GATCCACTAT NAGGGTGGCA AATTCCAGGT GACCACCAGT CCTGACCCAN TTTGGCCCAG NAGGATATTG TTGGTCTCAC TGTGGGAACC AAGNNGGNNN NGGCTN	GTGCACCACT AGGACTCTGC ATGACTCTTG	CACCCATCCC TGGTGACCTG ATAGAGTTTG	AGTGTATTCA AAAAGAGGGA CCAGCCTTCA	GGCCNNNTGA CTACATATTT AATCACCAAC	180 240
10	SEQ ID NO:6557 SEQUENCE LENGTH:255 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS07731 SEQUENCE DESCRIPTION: GATCTGAATA CCCCTTCTCT					60
20 .	TTTATCCAGC AGTCAATTAA AATAATTGGA GTTCATACTG CCTTNTGGGN TGNCTAAAGG TANTTTCCTA NTTNN	ATGCCCTGAG	GCACTGAAAA	TAAAAAAA	TCCCAAGGNG	180
25	SEQ ID NO:6558 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07734	acid				
30	SEQUENCE DESCRIPTION: GATCACGNCA CTGCACTCTA	GCCTGGGCGA	CAGAGAGAGA	GACTGTCTAA	AAAAGGAAA	59
35	SEQ ID NO:6559 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07735 SEQUENCE DESCRIPTION:	acid				
40	GATCCTNAGG TCTCCTAGCC AGTCTCAAA	ATGTGGAGCT	GTAAGTCCAA	TNAAACTTCT	TTTTCTTCCC	60 69
45	SEQ ID NO:6560 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07736 SEQUENCE DESCRIPTION:	acid				
	GATCTGTCAA GTCCAGTAGA	GCTTCAAGGT	AAAATNAAAA	TAACAATGTG	AAA	53

5	SEQ ID NO:6561 SEQUENCE LENGTH:33 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07738 SEQUENCE DESCRIPTION: GATCCAGAGG CCATGGAAGA GTCTCCAAGG AAA	33
10	SEQ ID NO:6562	
	SEQUENCE LENGTH: 158 SEQUENCE TYPE:nucleic acid TOPOLOGY: linear	
15	CLONE:HUMGS07739 SEQUENCE DESCRIPTION:	
	4.75.40.56.4	60
	ACACACAACT TTTGAACTTT TAATTATAAG TGTTATGGCT AAAGTTATTN NCTGAAAATT 1	20
20	TCAGTAAAGT GTGTGAATGT TTCTTTATGT ATTANCNN 1	58
25	SEQ ID NO:6563 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07740	
	SEQUENCE DESCRIPTION: GATCAGGGTT CTTTTTTCC CCCATACAAG TATCCAGTCA TTGTAACACT GTTTATTGAA	60
	AGAATTATCC TTTCCTCATT AAATTACCTT GCCAATTAGT AAAAAATCAA TTAACCATAA 1	
30	A 1:	21
35	SEQ ID NO:6564 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07741	
	SEQUENCE DESCRIPTION: GATCAGCATA CACAAATNAC AAAAGTCTGA ATTTTTTTTT ATCAAGAGGG ATAAAACACC	60
40		87
45	SEQ ID NO:6565 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07742	
	SEQUENCE DESCRIPTION: GATCCNTTTT NCTGTGGCAT TTGGTGCCCT AAAAATTTTG CATTTATCTT GAAA	54

55

5	SEQ ID NO:6566 SEQUENCE LENGTH:20 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07743 SEQUENCE DESCRIPTION:	
	GATCATTTGA CAACTGCAAA	20
10	SEQ ID NO:6567	
	SEQUENCE LENGTH: 143	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUMGS07744	
	SEQUENCE DESCRIPTION:	
	GATCGACTAT GAGACAGCAA AGGGGCCTAC CTNCTNATGG AGTTAGCCAA GAGCCAGGAC	60
	AAGAGTCTCA AGATTTATGA CGGTGCCTAC CATGTTCTCC ACAAGNAGCT TCCTGACGTC	120
20	ACCANCTCCG TNTTCCNTGA ANN	143
	SEQ ID NO:6568	
	SEQUENCE LENGTH: 199	
	SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS07745	
	SEQUENCE DESCRIPTION: GATCTGCTGC AATGCTCNAA GGCCAAGGAT TCATCTNTCT TNTCACCGTA GGACCTGNCT	co
	GGCATTGTAT TAGCAAACTC TTTCACTAGA CATCGTACTA CACGACACGT ACTACGTNGT	60 120
30	AGCTCACTGC CNCTGATGTC CTATCAATAG GAGCTGTATT TNCCATCATA GGAGGCTTCA	
	PEGACEGORY PEGGGOVANA	199
	SEQ ID NO:6569	
35	SEQUENCE LENGTH: 37	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS07746	
40	SEQUENCE DESCRIPTION: GATCGTTTCC AGGACAATAA AAGTTTCGGA GTTGAAA	37
	UNIOUTION NUMBER AND THOUGH WITHIN	31
	SEQ ID NO:6570	
	SEQUENCE LENGTH: 57	
45	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS07748	
	SEQUENCE DESCRIPTION:	
	GATCAGATGT TTAAAATNAT TCCAAATACT TCATTAAAAT AATTATTTTA TTATAAA	57
50		

5	SEQ ID NO:6571 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07749 SEQUENCE DESCRIPTION:	
10	GATCGAGGAA AGGGGCGGAG AATTTTTTTT TCTTCTTCCC ATTTCTTTAA AAAACCAACA CAAGAAAACA CACACACACA CAACCAACGT TTGTTCCCGA GTAGAAACAT AAATAGGGCA	
15	SEQ ID NO:6572 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07750 SEQUENCE DESCRIPTION:	
20	GATCAGAGCT TGAAAAAACA AA	22
25	SEQ ID NO:6573 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07751	
30	SEQUENCE DESCRIPTION: GATCAACCTG TGGCTGTTTT CCCGTCTAGG TTCTCACAGG NATCTCCTGA CAGAGGTACT TAACAATGGC TCTNCTGGAA ATTTCTATAA ATAAAATGTC CAAAATGGAA A 1	60 111
35	SEQ ID NO:6574 SEQUENCE LENGTH:44 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07752 SEQUENCE DESCRIPTION: GATCTCATCA CTGCTCCTTA TAATAAACCT AATAAAGCAA GAAA	44
40	SEQ ID NO:6575 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGSO7753 SEQUENCE DESCRIPTION: GATCCCGCCA CTGCACTCTA GCCTATGTGA CTCTGTCTCA AA	42
50	SEQ ID NO:6576 SEQUENCE LENGTH:48	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07754 SEQUENCE DESCRIPTION: GATCATTTGT AAGACCAAAA		AAGTTTCAAA	AATCTAAA		48
10	SEQ ID NO:6577 SEQUENCE LENGTH:46 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7755 SEQUENCE DESCRIPTION:					
15	GATCGATTAC AATAAATGTT	TTTCTAAAAA	GCCATTTTCC	CACAAA		46
20	SEQ ID NO:6578 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07756	acid				
25	SEQUENCE DESCRIPTION: GATCAAAAGC TTTGCATTGA TAGTCGTAGC CAATAAATTT ATAAA					60 120 125
30	SEQ ID NO:6579 SEQUENCE LENGTH:36 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7757 SEQUENCE DESCRIPTION:	acid	·			
35	GATCAAATGT GAAATAAATA	TGAATGGAGT	GGTAAA			36
40	SEQ ID NO:6580 SEQUENCE LENGTH:199 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7758 SEQUENCE DESCRIPTION:	acid				
45	GATCTCTGGC CCTTTGCGTT ACATNTTTGT ACTGCAACAT TGGTTATCTG TAAACTAAAT TAATGTATTN GTCAGNAAA	GAATCTTGGA	AATTTTAATG	TTATGCATTT	NAAANGTTTT	
50	SEQ ID NO:6581 SEQUENCE LENGTH:66					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07759	acid				
5	SEQUENCE DESCRIPTION: GATCTACTGT GATGTTGTCT AACAAA	TCAAAGGCAG	GNGAAAATAA	TGTTCACAAT	AAAATGTGCT	60 66
	SEQ ID NO:6582 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7760	acid				
15	SEQUENCE DESCRIPTION: GATCTGTAAA GAATGACTTT ACTCNAGGAT GCCTGCATGG CTGGNCCATG GNNNN					60 120 135
20	SEQ ID NO:6583 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGSO7761 SEQUENCE DESCRIPTION: GATCAGCCTG GCCAACATGA CATGGTCGCG GGTGNCTGTG GAACCTNGGN					60 120 130
35	SEQ ID NO:6584 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07762 SEQUENCE DESCRIPTION:	acid				
40	GATCAAATGA AAGGCCTATA NCCTCTGCTC CCTNTGCAAA	ACTAAAATCA	GCCAGCCCAT	GGCCCNCACT	AAAGGAACCT	60 80
45	SEQ ID NO:6585 SEQUENCE LENGTH:48 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7763 SEQUENCE DESCRIPTION: GATCAACAAT TTTTGTTTTG		GTTTTTGAA	AGTTGAAA		48
	SEQ ID NO:6586					.0

5	SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07764	
10	SEQUENCE DESCRIPTION: GATCCCCTGC TGGCTGGGGG CAGCTCCCAG GATATACTGC CTTACAACTG TTTCTAAAGC 6 CCATCCTNCT AACATGGCGA TTCCGGAGGT CAAGGCCTTG GGCTCTNCCC AGGGTCTAAC 12 GGNTAAGGGG GCCACATACC NGTTCCAAGG GGNNTGTCAA GTNGTGAAGT CGTTNTGN 17	
15	SEQ ID NO:6587 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07765 SEQUENCE DESCRIPTION:	
20		60 99
20	SEQ ID NO:6588 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGS07766 SEQUENCE DESCRIPTION: GATCCTTTGA GCCCAGGAGT TTGAGACCAG CTTGGGCAAC ATAGTGAGAC CCTGTCTCTA 6	60
30	CCAAA 6	5
35	SEQ ID NO:6589 SEQUENCE LENGTH:205 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07768 SEQUENCE DESCRIPTION:	
40		30
45	SEQ ID NO:6590 SEQUENCE LENGTH:57 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7769	
50	SEQUENCE DESCRIPTION: GATCTCATAC TCAACAGAAG GAGACTCAGA GACTCCAGAA GGCACAGGAG CTGCCCN 5	7

5	SEQ ID NO:6591 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07770 SEQUENCE DESCRIPTION:	acid				
10	GATCATGTTT ATTTACTGAT CCTAATAAAT ACTTCAATGA GAGGGTGGCC TGAGCCCAGG CAAA	AATGATGTGG	TGATGCATGC	CTATAGTTTT	AGCTACTTGG	120
15	SEQ ID NO:6592 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGSO7771 SEQUENCE DESCRIPTION: GATCTGAATG GTTTTAATAA GCCGCCCTGT GAAGAGGTGC CATGTGGAAC TGTGAGTCGA	CTTCCACCGT	GATTGTNAAG	TTTCCTGAGG	NCTNACTCTT CCTTCCCAGC	60 120 165
25	SEQ ID NO:6593 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic : TOPOLOGY:linear CLONE:HUNGSO7773	acid				
30	SEQUENCE DESCRIPTION: GATCCAAGCT TAATTTTCAA / TATCATATGA TGTGTACTCA (AGCTTTCCCG NAAA	ACAGCTTCCC GTCATATTCT	AAAAAGCTGT GTAGACTCAA	ATCCTGAATA ATCTTTTATC	TCATAAAGTC TGATTATACC	60 120 134
35	SEQ ID NO:6594 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic a	acid				
45	CLONE:HUMGSO7774 SEQUENCE DESCRIPTION: GATCTGCCCA CGTTGGCCTC C CCGTTTCATC CCTGNCTCAG C ACCCTTTNAG GAGAANGTGG C	CCTGCATGCC	GGATTATAAG AAGCTCCCTN	TGTGAGCCAC GGTGCCCGNC	CACACCAGGC CACAGGTGTC	60 120 148
50	SEQ ID NO:6595 SEQUENCE LENGTH:238 SEQUENCE TYPE:nucleic a	acid				

5	TOPOLOGY:linear CLONE:HUMGSO7775 SEQUENCE DESCRIPTION: GATCGCTTGT AGCTGGGAAC AGTGCTTACT TCAGGGAAAA CTGATTTTGA TAGAACCGAC 6 TAGTTGAGTA TTAAACTGTT TTGGAAATAA TTTATATATC TAAGTGCTGA AATATATTTC 12 TCTTCTCCCC ACTTATTCAA ATAAAAANGT TTTNATACTA TAAACTTTTC NNNGTTAGCG 180 CCACGCAGTC CTTGTCAAGN TTGTNCTGGG GGNCAANAAC TTGATGTATA AAGCATGN 230
10	SEQ ID NO:6596 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE:HUNGS07776 SEQUENCE DESCRIPTION: GATCTCTACT ACCANAAGGA AAATAGTTTA GGNGAAACCA GCTTTTANTG TTTTTGTAAA 60 ATTAGCTTCA CCCTGTNATG TTANCAAGGT ATGTCTTTGC CN 102
20	SEQ ID NO:6597 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	CLONE:HUMGS07777 SEQUENCE DESCRIPTION: GATCGCGCCA CTGCACTCTA GCCTGGGTGA CCAGCCTGGG TGACAGAGTG AGNCTCCGTC 60 TCAAA 65
30	SEQ ID NO:6598 SEQUENCE LENGTH:282 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE:HUMGS07778 SEQUENCE DESCRIPTION: GATCTAGAAG AAAGTATTGT ACGTTTGAAT GCAGATTTTN ATCCACAGAT AGTTGTAGTG 60
40	TTTAGACATG ACAGGACCTA TCGTTGAGGT TTCTAAGACT TACTATGGGC TGTAAACCTG 120 TTTTTNAAAA CTATTTTAGA AACCTGAGAC TTGCCGTCTG GCATTTNAGT TTAATACAAA 180 CTAATGATTG CATTTGNAAG NGNTNCTTGA CCTTATTTCT AAACGTCTAG NGCTCTGAAA 240
	TGTCTTGCTG GNNGGTATTA AACTATTTGC CTGTNGTACA TN 282 SEQ ID NO:6599
45	SEQUENCE LENGTH: 173 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07779 SEQUENCE DESCRIPTION:
50	GATCALATCC CTTACACNTA CTCCTCCLAT ATTCATATTC ALLCAMTCCT DITTOLOGIC

	TGTCTTTAAC TTAAATCTAC	CCAATAATTO GCAAACAAA	G CAACATGGTT	CTTTGTACAT	TTTCATTATA	120 173
5	SEQ ID NO:6600 SEQUENCE LENGTH:263 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS07780 SEQUENCE DESCRIPTION: GATCAGTGTA GCAAATNAGG		* TC & & & C C T T T	· ፕሮሮርረረታተጥታር	ም ምምምም አለው ም	20
15	AGGCTTCTCC CTCGCAGGGT AGCAGGTGTC TTTGTGCTTT TTTNCTATTT TTTTGTATTT CATGCCCTCA CTCCTTTAAG	GTTCCGTAGT CTCATCATAG TTTTTTGACA	TTCTTCTCGA TAACGTACTA	GCCAATGCAT CTTGTAAATA	GTATTATAGC CATTTTNCTA	120 180
20	SEQ ID NO:6601 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGSO7781 SEQUENCE DESCRIPTION: GATCCAAAAAT TCTCAACAAA	ATATTAGCAA	ATTGAACCCA	CCAAGGTTAA	A	51
30	SEQ ID NO:6602 SEQUENCE LENGTH:283 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07782 SEQUENCE DESCRIPTION:	acid				
35	GATCAAAGGC CTCTNAGGGG GCTTCAGGGC TATGACATCA TAGGAAGCCN ATCAAAAACC CATGCTCCCA ATCAAAAAAC TTTTTAAANT NNGTATGNTT	ACAGCCAAGG GGNGCNTANN AACGGCTGGC	GGAAGAGTCC GTTAANGAAA CACCTTTTT	ATGGGAAATG GTGAACTCCC CCAAGAAAGT	CAGAGCCCCT AGGAAATACA	180
40						
45	SEQ ID NO:6603 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07783	acid				
50	SEQUENCE DESCRIPTION: GATCGTTCAT CCGATTGCNA TCAGCCCACG TGCCACTCAA TTCCTTCTGC ATGTCAGCAC GTTCAATNNN NATAGATAAT	TACAAATNTT AGTCGGGTAT	CTGCTATAGG TGCTGCCTCC	GTTGGTGGGG CGTATCAGTG	CAGAGCTGTC ACTCATTAGA	

	SEQ ID NO:6604 SEQUENCE LENGTH:100					J
5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07785	acid				
	SEQUENCE DESCRIPTION: GATCACCTGA GCCTGAGAGT				TNCATCTCTT	
10	TAAAAATAAA ATAAAATTAA	AATTAATACA	AAIAAIIAAA			100
15	SEQ ID NO:6605 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07786	acid				
	SEQUENCE DESCRIPTION: GATCCCTTCC ACTCAGGATT TGTTTCAAA	CTCGCCGCCT	TTTCTAAGAA	AATAATAAA	AAAAAATNCT	60
20	IGITICAAA					69
25	SEQ ID NO:6606 SEQUENCE LENGTH:164 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGS07787 SEQUENCE DESCRIPTION: GATCTGCCTG CCTCGGCCTC	CCAAAGCGCT	GGGATTACAG	GCGTGAACCA	CTGCGCCCAA	60
30	CCTTTGGATT ATTTTTTGTA TCCTGGANTC CAGCCTGGGC	GAGATGGGGC	TTCCCTATGT	TGGCNAGGCT		
35	SEQ ID NO:6607 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07788 SEQUENCE DESCRIPTION:	acid				
40	GATCACTCCT CTGCTTCAGC AAAACTTGAC AAA	CTGGGCAATT	GAGCCAGACT	CTGTCTCAAA	AATAAACAAA	60 73
45	SEQ ID NO:6608 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07789 SEQUENCE DESCRIPTION:	acid				
50	GATCTTTTTA CCTGGATATG	TCTGTAAGGC	TCCTGAAAGA	GACAAATAAA	GTCAATATAT	60

	TTNCACAGTG CAAA	74
5	SEQ ID NO:6609 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07790	
10	SEQUENCE DESCRIPTION:	58
15	SEQ ID NO:6610 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07792	
20	SEQUENCE DESCRIPTION: GATCGNGNGC GTTTAACGCT GGTGGGCAGC AATAAGGGGC AGATGTGACC AGATGCCTGC NTCCCCAGGG TGCCGAGGGC AGCAGGAAAA AGTGGGGACC TCGGTGCATT TGCCCCACCC 1	60 20 39
25	SEQ ID NO:6611 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07793	
30	SEQUENCE DESCRIPTION: GATCATCGAC ACTTCGAACG CACTTGCGGC CCCGGGTTCC TCCCGGGGCT ACGCCTGTNT	60 75
35	SEQ ID NO:6612 SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07794	
40	TAAAGAATGA GCATGGCCAC ACTGTCAGTN AGTGTTCTTT AGGTGGTAGG ACTATGGTTG 1	60 20 71
45	SEQ ID NO:6613 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE:HUMGS07795 SEQUENCE DESCRIPTION:	

	GATCACGATG TAAATAATTA AGCATTTTGG TTGGATTTCT TTTGTAATAA ACTATTTTTG 60 TACCATAAA 69	
5	SEQ ID NO:6614 SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE: HUMGS07796 SEQUENCE DESCRIPTION: GATCTAGGAT AGCTAAGTNA CCTACATGGT GACTGTTCGG TCTAATTCAG AAACAGAAGT 60 ACTAAAAGAA TACTAAAAAG TTTTTACCCA TTATCTCTAT CCCTGTTTTN TTTTTGCAAT 120	
15	TCTCAGCNGN AGGGAGCAAG AAAATACACA GCAGNGGGGG GAATGTTTGT TTGCATCCTG 180 GCTTTCTCAA CCGCACTTTA CGTCCTTGAA TATNCTAGAT ATTTACTCCT TCAAGAAGTC 240 AGGAGTATAT CCAGGCCTAC CTATCANCCT N 271	
20	SEQ ID NO:6615 SEQUENCE LENGTH:237 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7797	
25	SEQUENCE DESCRIPTION: GATCACACCA TGGAGACTTT CTACTAGAGG ACTTGAAAGA GAACTGAGGG GCCACAAAAT 60 AAACTTCACC TTCCATTAAG TGTTCAAGCA TGTCTGCAAA TTAGGAGGGN GTTAGAAACA 120 GTCTTTTTCA TCCTTTGTGA TGAAGACTGA AATTGTGCCG TGTTGCCTTA TATGANTATG 180 CAGTATGGGA CTTTGAAATA ATGATTCATA ATAAAATACT AAACGTGTGT CTTCAAA 237	
30	SEQ ID NO:6616 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUMGS07798 SEQUENCE DESCRIPTION: GATCTNAAAT AAAATTCAAA CTCTACTTCT GTTGTCTAGT ATGTAATTGA GCTAATGATT 60 CATTGGGAAT ATACCTTTTT ATACTCCTTT ATCATGGTAC TGTAACTGTA TCCATATTAT 120 AAATATAATT ATCTNAAGGN TTTTNAATTT TTNTNATGT CCAAGNGCCC ACGTGAATTT 180	
40	NCTGGTGAAA GTNAGN 196 SEQ ID NO:6617	
· 45	SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7800 SEQUENCE DESCRIPTION:	
50	GATCATCGAC ACTTAGAACG TACTCCNGNC CCCGTGCTCC TCCAGAACCT ACGNCTGCAC 60 TAAGCGTCGA TTAAA 75	

5 .	SEQ ID NO:6618 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07801 SEQUENCE DESCRIPTION: GATCACGCCA CTGTACTCCT		GCGAGACTCC	CTGTCTCAAA		50
10	SEQ ID NO:6619 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS07802 SEQUENCE DESCRIPTION: GATCGAGGCT TGTNATGCCT TTTNATAAT ATTGTATATA	GTGACTGACA	AATATTGTAT	TACTGTACAT	AGAGAGACAG	
20	GTGGGCATTT TTGGGCTACC TTAATTAAAA AGTTTTGCAT		TTATAAGATT	TTGCTGGGTT	GGTTTTTTT	180 208
25	SEQ ID NO:6620 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic	acid				
23	TOPOLOGY:linear CLONE:HUMGS07804 SEQUENCE DESCRIPTION:	40.4				
30	GATCAGGAAG CCAAACTTAA GAAAAACAGT TTAATGCCAA GATGCAGTGT CAAGACTGGA	AATGCTGGAA	ATGGCACAGG			
35	SEQ ID NO:6621 SEQUENCE LENGTH:33 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07805	acid				
40	SEQUENCE DESCRIPTION: GATCTNGGCA ACACAGTCAG	ACTCCGTCTG	AAA			33
45	SEQ ID NO:6622 SEQUENCE LENGTH:321 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07807 SEQUENCE DESCRIPTION:	acid				
50	GATCCGGACG ACGTAATCAC	TGACATTNAG	ATGGTGGACG	AGGGCTGGTG	GCGGGGACGT	60

	TGCCATGGCC ACTTTGGACT	CTTCCCTGCA	AATAATGTCA	AGCTTCTGGA	GTNACTAGAG	120
	CTCACTGTCT ACTGCAACTN	TAATTTCCCA	TGTCCAAAGN	GGNTCTGCCT	CCACCCCCTC	180
	CCTATTCCTG CTGCAAATNT					
5	TCATTAAGGG CTTGGGGCAG					
· ·	CTTCTATCCC TGGATGAANN					321
		•				521
	SEQ ID NO:6623					
	SEQUENCE LENGTH: 96					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS07808					
	SEQUENCE DESCRIPTION:					
•	GATCCCAGCA CCCATTCCTT	AGCTATTTAT	CCCTTTCCTG	GTTTCCGAAA	GGCAATTATA	60
15	TCTATTATGT ATAAGTAAAT			UIIICCUAAA	UUCAAIIAIA	96
	TOTALLATOR MININGINAMI	AIMIMIMIM	Idunn			30
	SEQ ID NO:6624					
	SEQUENCE LENGTH: 242					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	2014				
	CLONE: HUMGS07810	•.				
	SEQUENCE DESCRIPTION:					
	GATCTAGGCT TCTNGCCTCA	CTCCCATTAG	GAATAACACC	CAGCAAAATG	GAACTATCCA	60
25	AGCACTTCCT ATACATCTGT					
	CATCATCATC ACCATGACTG					
	TTGCCTCCTA TTTGCCTAAA					
	AA	oonoonannn	IAMIAIIAAA	INCHCONUNI	IAACIACANA	242
30						444
	SEQ ID NO:6625					
	SEQUENCE LENGTH: 97					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
35	CLONE: HUMGS07811					
	SEQUENCE DESCRIPTION:					
	GATCCCGTCC TTGTCAGAGA	AGTGTTCCTT	GGATGAGCGC	CCAGAGGGAG	CACCCCATCC	60
	CCCTTTCTTC TGTNACTGAT			CONUNUUNU		97
40	COCCITICITO INTRACTUAL	IMMANICIC	UNIUNAA			91
40	SEQ ID NO:6626					
	SEQUENCE LENGTH: 98					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	uoru				
45	CLONE: HUMGS07812					
	SEQUENCE DESCRIPTION:					
	GATCCCTTCA AGACTTTGTC	ACAGCCTCTA	TCACACATCT	GTTTTTCTCG	AACNAAAAA	60
	TATAATTAAT AAAAATGTTT			2111110100	минилили	98
50			ono i dumi			30

SEQ ID NO:6628 SEQUENCE LENGTH:35 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLOME:HUMGSO7814 SEQUENCE DESCRIPTION: GATCAAAAAT AAATACTGCA CATAAAANAA AAAAN 35 SEQ ID NO:6629 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLOME:HUMGSO7815 SEQUENCE DESCRIPTION: GATCTGTTT TATTGTTAT TGCTTTTATT ATNATTGCTT TTATTATCAT TAAAACTCTA 60 GTTCTTGTTT TGTCAAA 77 SEQUENCE DESCRIPTION: GATCTGTTT TGTATAAAACTGTA 61 TOPOLOGY:linear CLOME:HUMGSO7816 SEQUENCE DESCRIPTION: GATCCAGTAC AGAAAGGAAA GGNTATTTAT TGATTAACAG AAGTTGTCTT TITAAAAGTG 60 TTTATTTTTG GCAATAAAGA GGACAAACATA ATCTCAAA 98	5	SEQ ID NO:6627 SEQUENCE LENGTH:36 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07813 SEQUENCE DESCRIPTION: GATCCCGNTG TTCTTAATAA ATCCTGACTT CCCAAA		36
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07814 SEQUENCE DESCRIPTION: GATCAAAAAT AAATACTGCA CATAAAANAA AAAAN 35 20 SEQ ID NO:6629 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07815 SEQUENCE DESCRIPTION: GATCTIGTIT TTATTGTTAT TGCTTTTATT ATNATTGCTT TTATTATCAT TAAAACTCTA 60 GTTCTTGTTT TGTCAAA 777 30 SEQ ID NO:6630 SEQUENCE LENGTH:98 SEQUENCE LENGTH:98 SEQUENCE DESCRIPTION: GATCCAGTAC AGAAAGGAAA GGNTATTTAT TGATTAACAG AAGTTGICTT TTTAAAAGTG 60 TTTATTTTTG GCAATAAAGA GCACAACATA ATCTCAAA 98 40 SEQ ID NO:6631 SEQUENCE LENGTH:132 SEQUENCE LENGTH:132 SEQUENCE LENGTH:132 SEQUENCE CLONE:HUMGS07817 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07817 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07817 SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAGAC AANNTCATGG 120 ANAATTTTTG TN 132		SEQ ID NO:6628		
SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07815 SEQUENCE DESCRIPTION: GATCTIGTTI TTATTGTTAT TGCTTTTATT ATNATTGCTT TTATTATCAT TAAAACTCTA 60 GTTCTTGTTT TGTCAAA 777 30 SEQ ID NO:6630 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07816 SEQUENCE DESCRIPTION: GATCCAGTAC AGAAAGGAAA GGNTATTTAT TGATTAACAG AAGTTGTCTT TTTAAAAGTG 60 TTTATTTTTG GCAATAAAGA GCACAACATA ATCTCAAA 98 40 SEQ ID NO:6631 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07817 SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132	15	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07814 SEQUENCE DESCRIPTION:		35
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07815 SEQUENCE DESCRIPTION: GATCITGITI TTATTGITAT TGCTTTTATT ATNATTGCTT TTATTATCAT TAAAACTCTA 60 GTTCTTGTTT TGTCAAA 777 30 SEQ ID NO:6630 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07816 SEQUENCE DESCRIPTION: GATCCAGTAC AGAAAGGAAA GGNTATTTAT TGATTAACAG AAGTTGTCTT TITAAAAGTG 60 TTTATTTTTG GCAATAAAGA GCACAACATA ATCTCAAA 98 40 SEQ ID NO:6631 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07817 SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132	20	SEQ ID NO:6629		
SEQUENCE DESCRIPTION: GATCTIGTTT TTATTGTTAT TGCTTTTATT ATNATTGCTT TTATTATCAT TAAAACTCTA 60 GTTCTTGTTT TGTCAAA 777 30 SEQ ID NO:6630 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07816 SEQUENCE DESCRIPTION: GATCCAGTAC AGAAAGGAAA GGNTATTTAT TGATTAACAG AAGTTGTCTT TTTAAAAGTG 60 TTTATTTTTG GCAATAAAGA GCACAACATA ATCTCAAA 98 40 SEQ ID NO:6631 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07817 SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132		SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		
SEQUENCE LENGTH: 98 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07816 SEQUENCE DESCRIPTION: GATCCAGTAC AGAAAGGAAA GGNTATTTAT TGATTAACAG AAGTTGTCTT TTTAAAAGTG 60 TTTATTTTTG GCAATAAAGA GCACAACATA ATCTCAAA 98 40 SEQ ID NO: 6631 SEQUENCE LENGTH: 132 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07817 SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132	25	SEQUENCE DESCRIPTION: GATCTTGTTT TTATTGTTAT TGCTTTTATT ATNATTGCTT TTATTATCAT TA	AAAACTCTA	
TOPOLOGY: linear CLONE: HUMGS07816 SEQUENCE DESCRIPTION: GATCCAGTAC AGAAAGGAAA GGNTATTTAT TGATTAACAG AAGTTGTCTT TTTAAAAGTG 60 TTTATTTTTG GCAATAAAGA GCACAACATA ATCTCAAA 98 40 SEQ ID N0:6631 SEQUENCE LENGTH: 132 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07817 SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132	30			
GATCCAGTAC AGAAAGGAAA GGNTATTTAT TGATTAACAG AAGTTGTCTT TTTAAAAGTG 60 TTTATTTTTG GCAATAAAGA GCACAACATA ATCTCAAA 98 40 SEQ ID NO:6631 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07817 SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132	35	TOPOLOGY: linear CLONE: HUMGS07816		
SEQ ID NO:6631 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07817 SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132			TTAAAAGTG	60
SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07817 SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132		TTTATTTTTG GCAATAAAGA GCACAACATA ATCTCAAA		98
TOPOLOGY: linear CLONE: HUMGS07817 SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132	40	SEQUENCE LENGTH: 132	•	
SEQUENCE DESCRIPTION: GATCAGGGAA CAAAATCCTC TCCTTGTGGA AATATCCCAT GCAGTTTGTT GATACAACTT 60 AGTATCTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132				
AGTATCTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAGC AANNTCATGG 120 ANAATTTTTG TN 132	45	SEQUENCE DESCRIPTION:	ATACAACTT	60
50		AGTATOTTAT TGCCTAAAAA AAAATTNNCT TATCNTTGTT TCAAAAAAGC AA	ANNTCATGG	120
	50			102

5	SEQUENCE LENGTH: 304 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS07818 SEQUENCE DESCRIPTION:	acid				
	GATCAACGGC TGACCTTCTG GTGTTCCATG TGCCTGANGT		· ·			
10	CACCGTTGTG CCCTTGGGGG					
	CTGCGGTGGC TGGCGTGCTG GCTGTCCTGT GCCCATGCTC	-				
	CCTN					304
15	SEQ ID NO:6633					
	SEQUENCE LENGTH:35 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
20	CLONE: HUMGS07819					
-	SEQUENCE DESCRIPTION:					
	GATCTCAAAT AAAATTNCTG	TAAAGAATTT	CCAAA			35
	SEQ ID NO:6634					
25	SEQUENCE LENGTH: 185					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS07820					
30	SEQUENCE DESCRIPTION:					
30	GATCCAAATC GGGCCATCTT					60
	ACAGTGGGCA GACAAAGGGC					
	TCATTTCAGC ACTGGAGACC	TTCTTTGCTA	TTACTTCTTT	CATTAACAAT	GACCTCTAAT	180 185
35	TIAAA					100
	SEQ ID NO:6635					
	SEQUENCE LENGTH: 151					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS07821					
	SEQUENCE DESCRIPTION:		*			
	GATCCGTGGC CTGAAGGTTC	CTAGAGNCGT	CAAGAAATNA	ATATCTTACA	CTGTGATTCT	60
	GTGAGGAAAG ACTGGTAACC					
45	AATATTTCTT TAATAAAGTA	TTTATACCAA	A			151
	SEQ ID NO:6636					
	SEQUENCE LENGTH: 165	.,				
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acıd				
	LUCOLUUI LINEXE					

		CLONE: HUMGS07822						
		SEQUENCE DESCRIE						
	5	GATCCAGGTC TAGGO TGCCTCAGTT CTCGA						60
	3	TAATAAATNT TGGTA					IIGINAGGAI	165
			orora or	LIUUMMI	NIUNNAAAA	NUNNA		103
		SEQ ID NO:6637						
	10	SEQUENCE LENGTH:	71					
		SEQUENCE TYPE: nu	cleic aci	i d				
		TOPOLOGY: linear						
		CLONE: HUMGS07823						
		SEQUENCE DESCRIP		1 ~~~	000110177	TC		•
	15	GATCAAATTC AGTGT TTTNCTTCAA A	IGIAL GIA	ALGIIIAI	GGCAACAIII	IGAAAAIAAA	AATTAAATGT	60 71
		TITIOTICAL A						11
		SEQ ID NO:6638						
		SEQUENCE LENGTH:	348					
•	20	SEQUENCE TYPE: nu	cleic aci	i d				
		TOPOLOGY: linear						
		CLONE: HUMGS07824						
	•	SEQUENCE DESCRIP		20000110		ma.m.amma.	2020222	
2	?5	GATCTCAATA CTTCC GGCTCTTTCT TTGTC						60
		TTTNGTCTTC CTTAT						
		GTCATCCGAA TCATT						
		TNCAGAATTT NCATT						
;	30	NTTTAGGCCA TTGCT						348
		SEQ ID NO:6639						
		SEQUENCE LENGTH:						
;	35	SEQUENCE TYPE:nu	cleic aci	id				
		TOPOLOGY:linear CLONE:HUMGS07826						
		SEQUENCE DESCRIP	TION.					
		GATCTGAAGA GTGAA		TTTAAAT	NAAAAATTGA	AATCAGAAGG	AAA	53
4	10							00
		SEQ ID NO:6640						
		SEQUENCE LENGTH:	127					
		SEQUENCE TYPE:nu	cleic aci	id				
4	15	TOPOLOGY: linear						
		CLONE: HUMGS07827						
		SEQUENCE DESCRIP		· · · · · · · · · · · · · · · · · · ·	CATCTAAATN	ርተር ኔ ተምተህረው	ም ተል ሮ ሮ አነብ ፣ ጥ ፣	60
		GATCTTTTTN AATTC AAGAGAGCCC TAGGG						60
		ATACAAA	idolo Idn		OWIGINOTIA	TOUTUWWIG	ON 1 NO 1 UI 1 U	127

5	SEQ ID NO:6641 SEQUENCE LENGTH:23 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07828 SEQUENCE DESCRIPTION: GATCTGTTGT TACTTAACAG			23
10	SEQ ID NO:6642 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
	CLONE:HUMGS07829 SEQUENCE DESCRIPTION: GATCTTNATG TTAATNTTCA AGAAGAATTA AGCGCCTTGA		CT TAGCAACTGA AGCTTATNAA	60 85
20	SEQ ID NO:6643 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
25	CLONE:HUMGS07831 SEQUENCE DESCRIPTION: GATCTTTTGT GGATATTTGT CATGACTGAG TAGGTAGAAA		IC ACAAATGTAG CAACAGCTCA IT ATATNGTTTT AAA	60 113
30	SEQ ID NO:6644 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
35	CLONE:HUMGS07834 SEQUENCE DESCRIPTION: GATCGTCCCG CTGCACTCCA	GCCTGGCCAA CANAGCGAO	A CTGTCCCCCC CAAA	54
40	SEQ ID NO:6645 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
45		AACAAGGGTG CCTAATAAA	AT ACATTNCTCC TTTATTAAA	59
	SEQ ID NO:6646 SEQUENCE LENGTH:184			
50				

. 5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07836 SEQUENCE DESCRIPTION:	acid				
	GATCCAGGGT CCCCCAGGGT ACCTCTTGAG AGCCCCCAGT CGGGGTGGTA GAAAAGGTAG	GCCGGAGCAG	AAAGGACCCT	GGACCCNGAG	GCAGNNACTG	120
10	TAAA					184
15	SEQ ID NO:6647 SEQUENCE LENGTH:166 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07837	acid		·		
	SEQUENCE DESCRIPTION:			00.0000.mm	DV.000000000	
	GATCCTTCCC CTGCAACCAG AAACCCCAGC CAGCCANACC					
20	ACCAGGNGGG GTAGAACACC					166
	SEQ ID NO:6648 SEQUENCE LENGTH:227					
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07838 SEQUENCE DESCRIPTION:	acid				
	GATCTNTNAT GGTCAGCACC	ACCCGCNTAC	CCAGTTCCTC	CAGTGGAGAC	CAGTTGGGTA	60
30	GTGGTGACTG GGTACGCTAC					
	CAAGTAACCA GCCAGAACAT TAAAAGAACC CCAGAGGACA				AAACACTNAT	180 227
35	SEQ ID NO:6649 SEQUENCE LENGTH:314					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS07839 SEQUENCE DESCRIPTION:					
	GATCTTTGGG GTTGGAGTGA	AGGTCTTATC	TGCATTAATT	TTGTTAATGC	ACATTGTAGA	60
	TGTGGAGAAC ATCTTGACCT					
	CGAAATATTT ACATTTCTTT					
45	GATTACTGGG CAGACCCTAA					
	CATGGTTTGT TCAAATCTAA GGCCTTAAAG TAGN	GUTAACCITA	ATGGTGCTGT	GTCCGCTGTN	CACAGAAAAC	300 314
	ana in wa aasa					
50	SEQ ID NO:6650 SEQUENCE LENGTH:104					

		SEQUENCE TYPE TOPOLOGY: line: CLONE: HUMGSO7:	ar 840	acid ·				
	5	GATCCCCTCC CCC GAGAAGTATA GGO	TGCCCCTG				NNAGGCTTTA	60 104
	10	SEQ ID NO:665 SEQUENCE LENGT SEQUENCE TYPE TOPOLOGY:linea	TH:358 :nucleic	acid				
	15	CLONE: HUMGSO78 SEQUENCE DESCR GATCAAGATG CCC CAGGTCTTCA TAA	RIPTION: GAACCCTG AAAGCCCT	TTGAACCCCC	TTCCTGCCCT	GTGTTAGGAG	ATAGGGATAT	120
	20	TGGCCCCTCA CTC ACTGTCCTGT GTC TGTGGGCTGA AGA ACTATATTTT GTA	CAGAGCAC ATGGTTGG	TGAGCTCCAC TTTCATGTTT	CCTTTTCTGA TTGTATTATG	GAGTTATTAC TATCTTTTTG	AGCCAGAAAG TATGGTAAAG	240
i	25	SEQ 1D NO:6652 SEQUENCE LENGT SEQUENCE TYPE: TOPOLOGY:linea CLONE:HUMGSO78	TH:46 nucleic	acid				
	30	SEQUENCE DESCR GATCCAGTTT GGG		AATAAACCAC	AAATNAAAAT	TTTAAA		46
	35	SEQ ID NO:6653 SEQUENCE LENGT SEQUENCE TYPE: TOPOLOGY:linea CLONE:HUMGSO78 SEQUENCE DESCR GATCTGGGGG GAT	CH:63 nucleic ar 845 LIPTION:		AGGTGCCTGG	NTGCATTATT	TGCAGTGGGC	60
	40	AAA SEQ ID NO:6654	ı.					63
	45	SEQUENCE LENGT SEQUENCE TYPE: TOPOLOGY:linea CLONE:HUMGS078 SEQUENCE DESCR	H:290 nucleic r 448 HPTION:					·
		GATCCACCCA CCT GTCTTACAGG GAT						60 120

	ACCCCTGCTC ATTGGTGGAT GTNAAACCAA TATNCCTTTC AACNGGTGNC TGNTAGGGAA 18	₹O
	AANCTACTCC TCATTATCAT CATTATTATT GCTCTCCACT GTATCCCCTC TACCTGGCAT 24	in
	GTGCTTGTNA AGTNCTAGTT GTTCAATAAA TTTGTNAATA ATGCTGTAAA 29	
5		
	SEQ ID NO:6655	
	SEQUENCE LENGTH: 145	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
10	CLONE: HUMGS07849	
	SEQUENCE DESCRIPTION:	
	CATCTTCCTC CAAATNACCA CTCACTAACC CTCACATAAC TCCTTTTTTT	0
	GCTGATGAAT ACATTTACCT ANGAAACTCA TTTCGTTTTA CTTAAGAGGG GANGTGCAGT 12	n
15	TTTNTTTTGG NAGTTCAGAN TCCAN 14	
	SEQ ID NO:6656	
	SEQUENCE LENGTH: 351	
	SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY: linear	
	CLONE: HUMGS07850	
	SEQUENCE DESCRIPTION:	
	GATCCTCTGG TTTNTTCCAT TGGGGCGGAG TCGGGGGTGG AGGGAGCTGG CCACAACCCA 60)
25	CTGCTCTGAT GGGTGGTTTG TCCAAGNATG CTGAATGTAA TGCCTGGTCA ATGTGGAAGC 120	
	CCATNAGGTT GCCCAGGGAA GCCTCCAAAA GCTGGGATGC TTGAGGGTAT CCAAGTTGAA 180	, 1
	AAAGACAAAA TCTGACCATC AGCCAGTGAC AGTCCTGGCA AATNAAGGTG GGGCGGGGCA 240	, 1
	GTNAGGGGTG GGNGANGGTG AATNNTTCAT TATTCCACCC NGCGGTTTNC TGGGGTGAGG 300	, 1
	GGGAAGANTC GNTGCTTGCT TTGGGCACTG ANGGTTTTTC TGTNNGGGGA N 351	
30		
	SEQ ID NO:6657	
	SEQUENCE LENGTH: 346	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY: linear	
	CLONE: HUNGS07852	
	SEQUENCE DESCRIPTION:	
	GATCATGTGA AGAAAACAGT GACCATTGAA AATNACCCTC ATCTGCCACC ACCTCCCATG 60	i
	TGTTCAGTTC ACCCATGCAG GCATGCTGAG GTGATGAAGA AAATCATTGA GACTGTTGCA 120	
40	GAAGGAGGGG GAGAACTTGG AGTTCATATG TATCTNCTTA TTTCCTTGAA ATTTGTACAA 180	ı
	GCTGTCATTC CAACAATAGA ATATGACTAC ACAAGACACT TCACAATGTA ATGAAGNGAG 240	
	CATAAAANCT ATCCTAATTA TTGGTTCTGA TTTTNAAAGA ATTAACCCAT AGATGTGNCC 300	,
	ATTGNCCATA TTCATCANTA TATACAGTTT CTCTANTAGG GGAANN 346	
45	SEO ID NO. COSO	
	SEQ ID NO:6658	
	SEQUENCE LENGTH: 345	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	
~~	CALIDER : MIRITARI (XS C	

	SEQUENCE DESCRIPTION:	
	GATCCACACG CTGGCCCAGG AGTTCGACAT TNACCGCAAG GTGGGCGNAG AGCCTGTNCC	. 61
5	TGTAACGAGG GATNATTCCA GCAATGGCTT TCCCCGCACT CAGCATGGTT CCCCAGTAAC	, UC
J	CTCCTGCTGA CCAGCTCCTC GGGGGAGCTG TGGAGGATGG TGCGCATCGG TGGACAGCCC	, 12(196
	CTGGGCTTTA ATGAATGTGG CATCGTGGCA CAGATTGCAG GTCCCCTGGC TGCCGCTGAN	1 240
	ATCTCTGCCT ACTACATCAG CACCTTCAAC TTNNGNNNNG GCCTGGTTGC CCGAGGACGG	240
	TATCGGCAGC GTCATCGNGG GTCCTCCAGN GGNGGGNAGG AATGN	
10	and an	345
	SEQ ID NO:6659	
	SEQUENCE LENGTH: 47	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
15	CLONE: HUMGS07854	
	SEQUENCE DESCRIPTION:	
	GATCTTTGTT AAAAAAATAA AAAGTACTAA CATTACAGAC ATGTAAA	
	CHIEFT AMERICAN AMERICAN CATTACAGAC ATGIAAA	47
20	SEQ ID NO:6660	
	SEQUENCE LENGTH: 35	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07855	
25	SEQUENCE DESCRIPTION:	
	GATCCTGCCA CTGCAGAGTG AAACCCTGTC TCAAA	
	THEOLOGICAL CHICKARACTER WANCECOME TOWAR	35
	SEQ ID NO:6661	
30	SEQUENCE LENGTH: 279	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07856	
	SEQUENCE DESCRIPTION:	
35	GATCCCCCCG AAGTCTTCAC AGGCACTGCA TCGGGTTGTC TGGCGCCCTT TTCCTCCAGC	
	CTAAACTGAC ATCATCCTAT GGACTGAGCC GGCCACTCTC TGGCCGAAGT GGCCGCAGTG	60
	TTGCCCCCGA GCTGCCCCCA CCCNCTCACA GGGTCCCTCA GNTTATAGGT GCCCAGGCTG	120
	AGGTGAAGNG GCCTGGGGGN CCTGCNTTCC GGGCGCTCCT GGACCNTGGG GCAAACCTGT	180
40	CACCATTTO TACTCCANTA CALAMINOMO MOLONIA	
40	THE THE THE THE TANAH THE	279
	SEQ ID NO:6662	
	SEQUENCE LENGTH: 173	
	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY: linear	
	CLONE: HUNGS07857	
	SEQUENCE DESCRIPTION:	
	GATCATAATA TAATTGGTTA CAAAGTGGAA GTGCCAGCTG GCTTAAGTAC CCAAAGAANA	
	GAATGCAGCA GCCTAACTTA GTGTTACCAT ATGTTACTGA ATTTGAAACT GACCTTTTTT	60
50	CCCACCTAC TTCACACACACACACACACACACACACACA	
	CONSISTENCE TRANSPORTER THITIGICAG ACCAAAGNGC AAA	173

5	SEQ ID NO:6663 SEQUENCE LENGTH:295 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07858 SEQUENCE DESCRIPTION:	acid				
10	GATCCAGTTG TCATCCACCA AACAGAGAAC AACCTGCTGG CTACATTTTC ATCTAAAGAG TAGATTGTAG AATGGTATTG GTAATCAAGT TTAAGTAATA	AAAGACCTGG AGAATGCACA ANTTGGTCTG	GCAGAAATGG TCTGATGAGA TGGAAAATTG	AGAGCCCTGC CTGAAAGTNC CATTGCTTTT	GGGAACCATG TTTNTTGTTT ATTTCTTTGT	120 180
15	SEQ ID NO:6664 SEQUENCE LENGTH:285 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUNGS07859 SEQUENCE DESCRIPTION: GATCATGGTC AGANTGGAGT CCCGTCCCCG CCAGCCCCTC TGGTCGAAGG TCAGGGCGAG	TCCACACCNT	TNCTCCCCAA	GTACCCGCCC	ACCGTTTCCA	120
25	AGGAGCTACA AGGGCAGAAG CTTGCAAAGA CCCTGAGGAA	CTGGTGGTGG	AGGNGNNACG	ACCATNINTA		
30	SEQ ID NO:6665 SEQUENCE LENGTH:47 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07860 SEQUENCE DESCRIPTION:	acid				
35	GATCCTGTTA GTCACTGTGG SEQ ID NO:6666	TTCATCAAAT	AAAACTGTTT	GTGCAAA		47
40	SEQUENCE LENGTH: 75 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS 07861 SEQUENCE DESCRIPTION:	acid				
45	GATCTCTAGA GCTGTCTTGT CACCTACTCA TCAAA	CGCCGCCCAG	GATTGACCTG	TGTGTAAGTC	CCAATAAACT	60 75
	SEQ ID NO:6667 SEQUENCE LENGTH:286 SEQUENCE TYPE:nucleic	acid				
50						

5	TOPOLOGY: lin CLONE: HUMGSO SEQUENCE DES GATCCTGCCT G GACTTTNTCC T CCAACAAGA G	07862 SCRIPTION: GGNCAACCCT TTTANATAAA GTACCTAGGA	AGAAAGACAT ATGGAAGTTG	CCCAGGAGAA AGCCCTGGAA	GGACAAACCA TGGGGCTCCA	GAGGAGTGAA TGGAGAGGTG	120 180
10	CATAGGACTC G					GAGGGAAGCC	240 286
15	SEQ ID NO:66 SEQUENCE LEN SEQUENCE TYP TOPOLOGY:lin CLONE:HUMGSO SEQUENCE DES	GTH:95 E:nucleic lear 7863	acid				
	GATCCCCGCC TO				TCCACCCCAA	GAGAACTCGC	60 95
20	SEQ ID NO:66 SEQUENCE LENG SEQUENCE TYP	GTH:213	acid				
25	TOPOLOGY: line CLONE: HUMGSO' SEQUENCE DESC GATCTCCTAA TO	7864 CRIPTION:	TGCCGTGGNA	GTACTGTGTG	TGAATAGCAG	ፒ ለር ፓ ርርርርርር	60
30	AAAAGCAATC T' TATTTGTTGT AG TAACGTGTTA AA	TCTCATTTG GAAATGGNC	GAAATGTTGT CAGTGAATAA	AAATAATTTT AGAGAATCTA	ATTATATAGT	GTTTTGGATG	120
35	SEQ ID NO:66' SEQUENCE LENG SEQUENCE TYPE TOPOLOGY:ling CLONE:HUNGSO'	GTH:137 E:nucleic ear	acid	·			
40	SEQUENCE DESC GATCTAAAGA CO CAGAACAGCC CA CAATTTGGAG TI	CCGGGAGCG AGAGCCCCA					60 120 137
45	SEQ ID NO:667 SEQUENCE LENG SEQUENCE TYPE TOPOLOGY:line CLONE:HUMGSO7	GTH:276 E:nucleic ear	acid				
50	SEQUENCE DESC						

5	GATCCGCTAC AGCAACGTGA GAAGATGGTT ATCATCACCA GCACCCCAAG CTGCAGAGCA GCGCAGGNTC TACGAAGAAT GGAGGCNTTG TGCAAAAGGN	CCAAGAGCGTT CCAAGCGCTT AGGGTGAAAA	GTCCAGGTAC CATCAAGTGG ACCTCAGAAG	CGAGGTCAGG TACAACGCCT	AGCACTGCCT GGAACGAGAA	120 180
10	SEQ ID NO:6672 SEQUENCE LENGTH:348 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07868	acid				
15	SEQUENCE DESCRIPTION: GATCCTGGAC CAGTCAGAAG GAGCATGGCC GTGGAGAGCA AGCCCGGATT NAGGGAGAAG CATTGAAACG GAGGCTGAGC	CCGGGACTGC GGTCCGTGCT	CAAGGCGGAG GCAGGCCAAG	GCCGAGTCCC CTAAAAGCAC	GTGCGGAGGC AGGCCTTGGC	180
20	TGCCCGGGCC CAGCTGGAGC GAAGNAGTTC AAGCAGGTTG				AGGTGGAGGT	300 348
25	SEQ ID NO:6673 SEQUENCE LENGTH:325 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07869	acid				
30	SEQUENCE DESCRIPTION: GATCTGAGGC CAGCTCCCGT CCTTCTCTTC CTCTTTNAAG GGTGAGCTTN TTGTGCCTTA GTNCGGAGNA CAAGGNCACT CTTTGCTGGA AAGTGTATTT AAAANACNNA AAAANAACAN	CCCTCTCTTC ATNCTGTGAC AGCTGCCCCA GTGCATAAAT	CTCGCTTTCC CCAGGCCCTT GGAAGTTGTG	TTCCTACCTA ACACCANTTT TGATTTTAAA	GCTCCTTGTT NCACCTTCCT TCACTTCTGT	180 240
	SEQ ID NO:6674 SEQUENCE LENGTH:348 SEQUENCE TYPE:nucleic					
40	TOPOLOGY:linear CLONE:HUMGS07870 SEQUENCE DESCRIPTION:	actu				
45	GATCAATGGA ATAGAATTTC TTCTNCTGTT TTTGAGAAGA TTTTNCCCAT TGTCCAAAAA TGGAGTTCTG CAAAGAAGGT TATGGTTACA TTTTATTTTG	GTTTCATATG GTTAAGCAAC AATATTTNCT GCCTATGGGG	CTGGACCACA AAGTGGCCAC TGGNCTTTGC CCTTCTAATA	TTTNAGCTTT ACTTTTACGT CTAANGTTAT CGTTTTGGTA	TATTGTTTTT GNCTACAACC CTCCCCATTC	180 240
	TNTAANGNAA TTNCTTGTCA	AATTTCACCT	CAAAGGTAAT	TTCNTGCN		348

5	SEQ ID NO:6675 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07871 SEQUENCE DESCRIPTION:	acid				
10	GATCAACTCT CTAATGGTGC AGTACTAAGT ACATAATTTT TGTCTTGTGN GTATAGGATT NAATTTANTT TATAAA	CAAATAATAT	TTTTNAATTG	TCTACTTTGG	ATGTTAGCTA	120
15	SEQ ID NO:6676 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07872	acid				
20	SEQUENCE DESCRIPTION: GATCATAAAA ATGTGCGCCA GAGATGCTCA TNGAAGATGT TTCCAGGAGA AAGATTCCGG NACTATGGCA GTTCGAAAAAN	NGGCAGTGAG CAGCGATGAA	GNAGAACAAG GATTTCCTAA	AAGAGGAGGA	TGAGGCACCA	
25	SEQ ID NO:6677					
30	SEQUENCE LENGTH: 138 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS07875 SEQUENCE DESCRIPTION: GATCCCCCAA GCCTGACGNG		тсссстстсс	CCTGCAGAGN	CAGCCGCCAA	60
35	GGNTGACCTC AGCTTCGGAG AGACCCGGAA GCCTGAAA	CCACCTCTGG	ATGAACTGCC	CCCAGCACCC	GCCCCATTAA	120 138
40	SEQ ID NO:6678 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic	acid		٠		
	CLONE:HUMGS07876 SEQUENCE DESCRIPTION: GATCCATCGC AGAGTCCTAA					60
45	GTGGATAAGG CAGCTGCTGC TTGCAGGCAA GANGCCTGTG NGCAGAAGAN GCCTCTGGTG	GTAGGTAAGA				
50	SEQ ID NO:6679 SEQUENCE LENGTH:188					

5	SEQUENCE TYPE:nuclei TOPOLOGY:linear CLONE:HUMGSO7878 SEQUENCE DESCRIPTION GATCTCCTGG AGGCTACAG AGCAGGTGGG CAGGGGCCT' ATTTTNATGG GATAGAGATA TGTGCAAA	G GAGCAGAGGC	CATTTCTTCC	TTCCCTTATC	ACCGTTAGCC	120
15	SEQ ID NO:6680 SEQUENCE LENGTH:35 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7879 SEQUENCE DESCRIPTION: GATCTTGGTG GTAGTAGCAA		GCAAA			35
20	SEQ ID NO:6681 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07880	acid				
30	SEQUENCE DESCRIPTION: GATCTTCCGT GGTCAGAGTC CTTGGTCAGA GCCACTCTAT TTTGTNTTTT GAAAGCCCAA GTGTCCTATC CCTGCCAAGT TCCCTCACCC CCATGGCCCC	CCACTGCGGG GAGTTGGACT GGTGCTGATG CTCAGAAGAG	TCAGTCTTGC TCAAAGTGTA GTTGGGCTTC	CTAGGCGATT ACAGATATCA CATGCCTGTA	TTTTCTACCA GTGTCTCCCC GCTTTCCTGG	120 180
35	SEQ ID NO:6682 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07881 SEQUENCE DESCRIPTION: GATCCAAGAT ATCACTTAGA	acid				22
45	SEQ ID NO:6683 SEQUENCE LENGTH:292 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07882 SEQUENCE DESCRIPTION:	acid				20
50	GATCCAGCTG TGGTTCCAGA CAGNATCCAC CCAGNCTGAG					60 120

	AACTACCTCC GTCAGCAAGA	ACCCAAGCCC	ACATCCAAAC	CTGCNTGTCC	CAAACCACTT	180
	ACTTCCCTGT TCACCTNTGN	CCNACCNCAG	CCCAGAGGAG	TTTGNGCCAC	CAACTTCAGT	-240
	GNCTTTTTGT ACCCNAAGNN					292
5						
	SEQ ID NO:6684					
	SEQUENCE LENGTH: 247					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear		•			
10	CLONE: HUMGS07883					
	SEQUENCE DESCRIPTION:					
	GATCTGCCTT AGCCTCACTG	CTTCCCCCTA	AGTGGTGGGA	TTGCAGGTGT	CACCCACTCT	co
	GCTGGCCTCA AATAGTTTTN					
15	CTAATTCAGT GCTTTATTTT					
15	ATGGGACCTA GTCATCTGTA					
		IGINAGATIC	ACAGAGGAAI	TAAAGAGATA	AACATGCATG	
	TNCTAAA					247
	and the volume					
20	SEQ ID NO:6685					
	SEQUENCE LENGTH: 37					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07884					
25	SEQUENCE DESCRIPTION:					
	GATCCACAAC TACACACATC	ATAACCACAC	CATCAAA			37
	470 ID W					
	SEQ ID NO:6686					
30	SEQUENCE LENGTH:81					
	SEQUENCE TYPE:nucleic	acıd				
	TOPOLOGY: linear					
	CLONE: HUMGS07885					
	SEQUENCE DESCRIPTION:					
35	GATCTCTGAG GAGTTCCCTG		AGCAGCCTCT	GGAGAGGGGC	CATTAATAAA	
	GCTCAACATC ATTGNACNAA	A				81
	SEQ ID NO:6687					
40	SEQUENCE LENGTH: 237					
40 .	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07886					
	SEQUENCE DESCRIPTION:					
45	GATCAGCCTT TCCAGGTGCT					60
	CTGCAGTTGC TCTGCGCTGC					
	GGGGTCTCTC CCGAAGAGTT					
	TGCACTGTTG GAAATGTGCT	CNATTTAATC	ATGCAGATAA	ACCATTTAAA	TGTCAAA	237
50	SEQ ID NO:6688					

5	SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07887 SEQUENCE DESCRIPTION:	acid				
	GATCTCTTGA GCCCAGGAAG GTCTGGGTGA CAAGAGTGAG			GATTGCACCA	CTGCACTCCA	60 93
10	SEQ ID NO:6689 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS07889 SEQUENCE DESCRIPTION: GATCGCAGCA TTGCACTCCA AA	NCCTGGGCAA	CAAGAGTGAA	ACTCTGNCTC	AGAAAAGAGA	60 62
20	SEQ ID NO:6690 SEQUENCE LENGTH:221 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS07890 SEQUENCE DESCRIPTION: GATCCTCCTG CTTCAGCCTC ATAGCCTTTT AAATGTTCAC	CTCAGCTTGC	CTCACAGTGG	GTCTGTTCCT	GGTTTCCCAG	
30	ATGCATAAAG GAAGACATAT AACATGGGAG CATGTGAATA				AGGGAGGGAG	180 221
35	SEQ ID NO:6691 SEQUENCE LENGTH:210 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07891 SEQUENCE DESCRIPTION:	acid				
40	GATCATCAAG AAAAAAGAAA GAAGTTACCT GATTGTNTAA ATTCTAAATG TGGTATATTG AACATCGTGG TGCACATTTG	TTAGAATGAC CAAACTGCAG	TACCACCTCT	GTCTGATTCA	CCTTCGCTGG	
45	SEQ ID NO:6692 SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7892	acid				
50	SEQUENCE DESCRIPTION:					

5	GATCTGTCAT CTTCATAGCA ATTTGTTTTN CTTTTAAAGT CCTGGNCANT GAGGCGGAGC	AAATGCAAGT	ACCAAAGCTC	ACTACTGCGG		
10	SEQ ID NO:6693 SEQUENCE LENGTH:226 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07893 SEQUENCE DESCRIPTION:	acid				
15	GATCTCTGCT TACCGTTCAA CAGGACCAAG GGGGCGGGGA CCTTGGGCAG AATGAATTCG TTCTGTCATT TACACACGTC	CTGCTGGCTC ATGCGTATTC	ACGCCCCGCT TGTGGCCGCC	GTGTCCTCCC ATCTGCGCAG	TCCNTCCCTT	120
20	SEQ ID NO:6694 SEQUENCE LENGTH:31 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07894	acid				
25	SEQUENCE DESCRIPTION: GATCTCTTAA ATAAACTTGC	TTCTGGTTAA	A			31
. 30	SEQ ID NO:6695 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07895 SEQUENCE DESCRIPTION:	acid				
35	GATCTAAATT TGTTTATTTA TTGGNCCCAG TATATCAGAT GATTCTGGAT GTNCGNGTTT AA	TTTNATTGAG	TAAAATGTTA	AAAATAATAA	GTGTAACTCA	
40	SEQ ID NO:6696 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS07896 SEQUENCE DESCRIPTION: GATCCCAACC CTGTGTCCTG GNCCTCCCTA CCGGCGAGAG GATGGCTGAA GGAGACGCCG	TCCAGAGTGG	GTACAGGAGC	AAGGGGCACT	GCTGGGGCCT	120
50	AGTAAAATCC TCCCACTGCN	AAA				203

5	SEQ ID NO:6697 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS07897	acid				
10	SEQUENCE DESCRIPTION: GATCAAATGA AATAATGTAA	CGTGAGNATA	CAGTATAAAT	GATAAAGGAA	A	51
15 _.	SEQ ID NO:6698 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic : TOPOLOGY:linear CLONE:HUMGS07898 SEQUENCE DESCRIPTION:	acid				
20	GATCTCCGGG CAGCCACCAC (CTCCTCGGTC	TGCCCCNTCA	TTAAAAAGTC	CTCCTTCCAT	60 65
25	SEQ ID NO:6699 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS07900	acid				
	SEQUENCE DESCRIPTION: GATCTAGTGC CTAGTGTTGC	TTTTCTGATG	TAATAAAAGG	TGGTCTGGCA	GAACCTAAA	59
30	SEQ ID NO:6700 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic : TOPOLOGY:linear CLONE:HUMGS07901	acid				
35	SEQUENCE DESCRIPTION: GATCCAGAGC CACAGAAAGA A TGGCAGATGG AGGCATCAAG O GTTCATGTN					
40						
45	SEQ ID NO:6701 SEQUENCE LENGTH:39 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS07902	acid				
	SEQUENCE DESCRIPTION: GATCTTAAGT TTACAATTAA	AAACTCAGTA	CTCAATAAA			39
50	SEQ ID NO:6702 SEQUENCE LENGTH:56					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
_	CLONE: HUMGS07903					
5	SEQUENCE DESCRIPTION:					
	GATCCCCCCG GGCATGGCCT	GGGCTGGTTT	TGAATGAAAC	GACCTGAACT	GTCAAA	56
	SEQ ID NO:6703					
10	SEQUENCE LENGTH: 31					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acıd				
	CLONE: HUMGS07904					
	SEQUENCE DESCRIPTION:					
15	GATCCTTTTA AAATAAAAAT	NTTGATGCAA	A			31
			••			0.
	SEQ ID NO:6704					
	SEQUENCE LENGTH: 108					
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07905					
	SEQUENCE DESCRIPTION: GATCAGGAGC CTTCATTAAA	ACACAAATTT	TACCCAAAAC	CICLIALICC	TTCCT	co
25	GAATTGCATT AAACATCAAT				IICGIAAAGI	60 108
25	UNATIONAL AMACAICAMI	ININNIAAA	IIICAIAIII	IUMIIAAA		100
	SEQ ID NO:6705					
	SEQUENCE LENGTH: 29					
30	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS07909					
	SEQUENCE DESCRIPTION:					
	GATCAAAAGG GACAAGCATC	AAGCACAAA				29
35	SEQ ID NO:6706					
	SEQUENCE LENGTH: 152					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS07911					
	SEQUENCE DESCRIPTION:					
	GATCATGGGC AAAATCTAGC	CACAGTCCTG	AGAGTCCAGG	CTTCTGGGAT	GCCCAGCTGG	60
	GTATAAAAGT CCCTACTAAC			TTCTTTGGTT	NAGAATGCCT	120
45	CAATGAGATT TTGATACATC	CAAGAGCGCA	AA			152
	SEQ ID NO:6707					
	SEQUENCE LENGTH: 129					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

5	CLONE:HUMGS07912 SEQUENCE DESCRIPTION: GATCTAAAAA ATACAAAATG TAGACAATTA CTATTCAGGT GCTTACTTTT AAGCCAATAT '60 GTAGCAGNGN AAAACTAATT TCTCTGTGGC AGTATTTTAA TTTTTGGNAT GTCCCNGGNN 120 TTAACTGAN 129
10	SEQ ID NO:6708 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07913
15	SEQUENCE DESCRIPTION: GATCCGCACT GGGGGTTCTG CAGGGTGGGG NCAACCACAG CCTGTCACAA GCTCACCGTC 60 AGCCTCTNTG GNGCCATTCG GCAGCATGAA GTCCCTATCA CCCACATAAT AATGNGNN 118
20	SEQ ID NO:6709 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07915
25	SEQUENCE DESCRIPTION: GATCTTTCCC AGTATCTNNA GTGGGTGACC ACACTTGTCA GTGGGAGNCT NTGAAACTAC 60 CCTATCGNCT CCTTAAGGGC GGGATGAACT GCTTTGTGAC TTGGAAAGGT ACGCTGCTGG 120 CCAGCATTGG AGANGAAGCT NCTGAGCAN 149
30	SEQ ID NO:6710. SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07916
35	SEQUENCE DESCRIPTION: GATCAGGTGG TCAAGGTGCT GCACGATGCC CAGCAGCAGT GCCGAGACGG CCACCCGGTT 60 GTGGTCAACA TCCTCATTGG GAGGACGGAC TTCCGCGATG GCTCCATTGC TGTATAGGGC 120 CTTGTGGGTC AGNACGCTTN GCTGCCTTCC TACCCCTGGA CTGTNTCCAA NTGGTTTTNG 180 AGTCTCATNA TTGCTTACCC CTGGNGCTNA TCCCATGAGG NCCCANTGNA CTTCAN 236
40	
45	SEQ ID NO:6711 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07917 SEQUENCE DESCRIPTION:
50	GATCCGCAAA GAGGAAGACC GCCTCTTCAT TCTCACGACC NTCACCTATT GATGGGAATN 60 TGTGCGGGCT CAGGGTTCCT NNACACACTA GNTGTGGGAA GCCATAGGAG CCTCCAGATG 120 GGGGCTGGCC TCTCTTGCCC AGCNAGNGGG CAGGGCCTGT GGGNTGGTGA ATN

5	SEQ ID NO:6712 SEQUENCE LENGTH:48 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07918 SEQUENCE DESCRIPTION: GATCACGNCA TGGCACTTCA		CAGAATGAGA	CTATTAAA		48
15 .	SEQ ID NO:6713 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07919	acid				
	SEQUENCE DESCRIPTION: GATCGTGTCA CTGAACTCCA	GNCTGGGTAA	CAGTGCGACT	CTGTCTCAAA		50
20	SEQ ID NO:6714 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07920	acid				
25	SEQUENCE DESCRIPTION: GATCTTTGTT TAAATGCCAA AGTTTNATGT ATGTATATAA GTGAGTTTTA CTCTTAAATC	TCATGCTCAT	GTATATTTAG			
30	SEQ ID NO:6715 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07921	acid				
40	SEQUENCE DESCRIPTION: GATCGATACC CCCACCCCTC CTGTTGTCTT CCCCTCGGCC GGGCCTGATG NGNAGGGGTA TGGGGGNAAG CTGTTATTT	CNNTCACATG GAGGGAAGNT	TGTATTCAGC	AGCCCTATGG	CCTTGGCTNT	120
45	SEQ ID NO:6716 SEQUENCE LENGTH:57 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07922					200
50	SEQUENCE DESCRIPTION: GATCACGACA CTACACTCCA	GCCTGGGGGA	CCGGGCAAGA	CTCTGTCTGT	CTTTAAA	57

5	SEQ ID NO:6717 SEQUENCE LENGTH:333 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07923 SEQUENCE DESCRIPTION:	
10	GATCTTGAAA AAAAAAGCAA AAGCTTAAAT ATTTGATACA AGTTTACTTA GCTACAACAT ACTTTACATT GTTGCCTTTA GTTATCTCAC AGGCACTGAC ATTTTATATT TAGAAAATAC TTTTAATCTT NCTAATCTTT TTTTGTAAAT ATTAGTGTCC ATTCTGTATG ACTCGCTAAC CTACTTTGCA AGGCTTTGGG CAACATTTTA GCTCATTAAC TTCAAGATGA TGTGTCATCT : GTATAGGTCA AAGAATGGGN CTTCTGAACT GAGGAATTTT GCTGTTGACA GCCAAAGTNT :	120 180 240
15	0P0 ID NO.0710	
20	SEQ ID NO:6718 SEQUENCE LENGTH:57 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07925 SEQUENCE DESCRIPTION:	
	GATCTTGGAC TTCCCAGCCT CCAGAATTGT GAGAAATAAA TTTCTGTTGT TGATAAA	57
25 30	SEQ ID NO:6719 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07927	
30	SEQUENCE DESCRIPTION: GATCTTTGCT TAATAAGANG AAAAAAGAGG CAAGGAGAAA ACGAAGAGAA AGAAATTTTG AAA	60 63
35	SEQ ID NO:6720 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGS07928 SEQUENCE DESCRIPTION: GATCCNGTGT TCTTCTGTGA AA	22
45	SEQ ID NO:6721 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07932	
0	SEQUENCE DESCRIPTION:	

5	GCCCTGCCCT TCCCATGAGG CAGGCTCTTC AGTGAGTGTT TGAACGTAAT TATGTAGTTT 12 TCTGTTTAAT TGAAAAAGNG AGCTATGCCT TTTTTTCTTT TTGGANGTAA AGCAGCTAAA 18	
10	SEQ ID NO:6722 SEQUENCE LENGTH:45 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07933	
15	SEQUENCE DESCRIPTION: GATCCAGGTG TTTGTTTCTA ACTTCTGTAA TACATACAAT GCAAA 4	15
20	SEQ ID NO:6723 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS07934 SEQUENCE DESCRIPTION:	
25	GATCATGGTG ATTTNACTGC TGCTTGTGGN TATCGTGGTT GTTGCAGTCT GGCCGACCAA 6 CTGATGGCAG TAAAGAGACC ACCAGCAGTG ACACCTGCCA ATNACAGATG CAAGCCCAAC 12 ACCCTNTTGG TACGCAAAAC CTNATCTCAA TAAATTCCCC CAAAGCTCTG AAA 17	
30	SEQ ID NO:6724 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07935 SEQUENCE DESCRIPTION:	
35	GATCCCAAGC CCTGCATTGT AAGCCCACAG TAGGCACTCA ATAAATGCTT GTTAAAGGAA 6	0
40	SEQ ID NO:6725 SEQUENCE LENGTH:269 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07936 SEQUENCE DESCRIPTION:	
45	GATCCTGCAG AAGAATAACC TGAATCTGCT CAGAGACCTA AGCTGTGCAC ATTGCCCATA 6 GCCTCAGGAA CAGTCCAGAC TGGGGCGGTG TGGTCATATT ACACAGNNAG GAGGGTGATT 12 CAGAGTTCAT GAATATCATT GCCAATNAGA TTGGGTCAGA GGAGACCCTC CTGTTCTTAA 18 CTGTGCGCGA TGAGNAAGNT GGTGGNCTNT TNTTACTGGC AGGGCCACNA NCGCTCATGT 24 GGAGACCCNG GGGCCCAGGG TGGCTGATN 26	0
50	SEQ ID NO:6726	

5	SEQUENCE LENGTH:229 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07937	
10	SEQUENCE DESCRIPTION: GATCCCTCAT CCCTGAAATT GAGTTTATGT AGTCATTTTA CTTATTTNAT TCATTAGCTA 60 ACTTTGTCTA TGTATATTTN TAGATATTGA TTAGTGTAAT CGATTATAAA GGATATTTAT 120 CAAATCCAGG GATTGCATTT NGAAATTATA ATTATTTCCT TTGCTGAAGT ATTCATTGTA 180 AAACATACAA AATAAACATA TTTNAANACA TTTGCATTTN ACCACCAAA 229	1
15	SEQ ID NO:6727 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07938	
20	SEQUENCE DESCRIPTION: GATCCATGAA CTCTGACCCC TCCCCAGTAA AGGCTTCTGT AGAGAGCAAA 50	
25	SEQ ID NO:6728 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07939	
30	SEQUENCE DESCRIPTION: GATCCCCGCA CCAGCCTCTC CTCTCTTTCC CTGCAACCTG TTACCTCACA CAGCTGCTCA 60 GGAACAGCAG AAATAGTAAA ACTCTTCCAT ATATGTGGCA CCTCAGCCGC CCCTCCNTTA 120 AA 122	
35	SEQ ID NO:6729 SEQUENCE LENGTH:213 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07941 SEQUENCE DESCRIPTION:	
40	GATCAGGAAG TTCTTAGATT CTTGGATGAC AGATGCATGT TGATGCCCTA TGGAGATGTC 60 CTTNTGTTTT GAGGTCACTG AGGTAGGAAG ACCTGTCTAC TCTTGGTTTC ACCACTAGAA 120 CAGTCTTGGG CTGGATGGGT TATAGAGCTG AGCGGCTGTA ATGGTTCTNT TTTTACATTA 180 ACAAAAACAA TTAAAAAACAC CAAAAACAAC AAA 213)
45	SEQ ID NO:6730 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07942	
50	SEQUENCE DESCRIPTION:	

	GATCCCAGGN ATTCAAGGTT ANCAGAGANN GACCTGTCTC		ATGATTGCAC	CACTGTACTC	CAGCCTGGGC	60 85
5	SEQ ID NO:6731 SEQUENCE LENGTH:313 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS07944 SEQUENCE DESCRIPTION: GATCCAGCTG GAATTTGAGG	ACACTGGAAC	A ATCACCTC A	CCTTCCAAAA	C1444C1411	60
15	CAAAACTTTA AACATCTGTG ACTTAGGTTC CACAATTAGC CTCCCCTGCC CTNATTGTGA	TAAGTACAGG CATGGCCAAT	GTGGAATATA CTTGTGTGAT	ATGAATTCCA AGGTATGTCC	GGTACCCATC CTACCTATTT	180
	TAACCATGCC ATCATTGTAC CNNGNCTNAN NTN					
20	SEQ ID NO:6732 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUHGS07945 SEQUENCE DESCRIPTION: GATCACTTGA ACCTAAGAGT ACTGTCTCTT AAA	TTGAGGCTGC	GCACTGCACT	CTGGCCTGAC	AGAGCGAGTC	60 73
30	SEQ ID NO:6733 SEQUENCE LENGTH:257 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		·		
35	CLONE:HUMGS07946 SEQUENCE DESCRIPTION: GATCTGAATT CTAATGCTGG GCCCAGTTTA ANTTTCCCCA	TCTTTGAAAA	GGAGATAATA	TGTNATCTCT	TGGGAGTAGT	
40	TCTGAATATG AAGTGTGTTG AAACTGGCCT GGTTTGCCTT NCCTAAAAAN AAAAACN					
45	SEQ ID NO:6734 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7948 SEQUENCE DESCRIPTION:	acid				
50	GATCCTTTAG CCTCCTGGNA AGTGCCAGTC CTCTGCCAGG					60 120

	TAAAGATGTC AGTTCTAAAG	GAGGNAAA				148
5	SEQ ID NO:6735 SEQUENCE LENGTH:289 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07949	acid				
10	SEQUENCE DESCRIPTION: GATCATATCC AATTCATATG TGGTTCTCAA TGTGCCAGCA AATACACAGG GAAGGGTGAT	GGGCCTCAGT	ACCTGAGCCT	NAATCAAGCC	TTATCCACCA	120
15	NAGATGANTA CTTTGCTGGA GGGACAGTGC CGGGAGGTNT	TGAAGCAGGC	TGCAGGGCAT	TCCAGCCAAG		
20	SEQ ID NO:6736 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07951	acid				
25	SEQUENCE DESCRIPTION: GATCAGGCTT TTAAATACTC AGTAAAAAGA GTATCTNATA					60 114
30	SEQ ID NO:6737 SEQUENCE LENGTH:229 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07952 SEQUENCE DESCRIPTION:	acid				
35	GATCACCCAG CATCCTTCCC TATTTTGTAT CATCGTGCCT TTATCCTGGA CATGAATGTA TTTCTTTGCA ATGCATTGTA	ATAGCCGCTG TTGTACACTG	CCACCGTGTA ACGCGTNCCC	TAAATCCTGG ACTCCTGTAC	TGTATGCTCC	
40	SEQ ID NO:6738 SEQUENCE LENGTH:295 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS07953 SEQUENCE DESCRIPTION: GATCTCTTGT NCTTTAATTT	TAGGGTCTTG	TTCCAGGACT	CAAATCAGTA	ACTTGGTGAT	60
	TACAAGGTGC TGAATGTGTT TTTTNATTTT TAAAATATTT	NCATTTTTC	CTTGAATTTN	ATATCCGTTT	GTCCACTCGT	180
50	ACATGCCTAG CCTACAGAAG ATTTTGCTTG AAATGCAAAG					240

5	SEQ ID NO:6739 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07954 SEQUENCE DESCRIPTION: GATCATAACA CTACTCCAGT CCAAACTAAA CCTAAAGCAA	CTGGGTGATG	AAGTGAGACC	TGTCTACAAA	AAAAAGAAGC	60 85
70						
15	SEQ ID NO:6740 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07955	acid				
	SEQUENCE DESCRIPTION: GATCAGGCTG GTCTCAAACT	CCTCGGTTCA	ACCAATTCCC	CCACCTTGGC	CTCCCAAACT	60
20	GCTGGGATTA CAGGGGAGCC AAAACCAGTG ACCCTGTATT	ACTGCACTGG				
25	SEQ ID NO:6741 SEQUENCE LENGTH:81 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid .				
	CLONE: HUMGS07956 SEQUENCE DESCRIPTION:					
30	GATCCTAACA TGTATTGATT AAATAAAAGT GCAATTTCAA		AATATGTAAT	AGCCACACTT	CACTGTTTTA	60 81
35	SEQ ID NO:6742 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07957 SEQUENCE DESCRIPTION:	acid				
40	GATCTTGTCT CCAATTAAAC	CGAGGCTTTC	ACCGATAAAA	AAAAACAAA		50
45	SEQ ID NO:6743 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07958 SEQUENCE DESCRIPTION:					
	GATCTGATGA AGTATATNTT					60
50	TAAACTTGAA AAATGTTTTT	AAAACTGTGA	ATAAATGGAA	GCTACTTTNA	UTAAA	115

5	SEQ ID NO:6744 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07959 SEQUENCE DESCRIPTION:	
10	GATCGGGCTA CTACAAAGTT CTGGGAAAGG GAAAGCTCCC AAAGCAGCCT GTCATCGTGA AGGCCAAATT CTTCAGCAGA NGAGCTGNGG AGAGATTAAG AGTGTTGGGG GGGCCTGTGT 1	60 120 175
15	SEQ ID NO:6745 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07960 SEQUENCE DESCRIPTION:	
20	GATCAAAAGT AACACGTNNA GACTCTGAGC TTAATCCATT AAATGGATTT NAGCATCTAA	60 61
25	SEQ ID NO:6746 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07961 SEQUENCE DESCRIPTION:	
30	GATCATNAAC TACACTGGTT ATNTGGAAGT CTAGGTTCTG GTCCTGCTAC CCCTTTAACT TGAGTNATTT ACAAGTCTGT TTAAAAGTTT CTAGACATAC ACTGGTTTGN TTTTTAAA 1	60 18
35	SEQ ID NO:6747 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07963 SEQUENCE DESCRIPTION:	
40	GATCGCCCAA CGTTTTTGGN TTATAGAATT ATTATTTCCT GCTTTCTTC TTTGGGTCTT TTGAATTTCT TTGGTTTCGT NTTTAAGAAG TAACCCANCA TTTCCTACAA CACTAAATAA 1	60 20 40
45	SEQ ID NO:6748 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07964	
	SEQUENCE DESCRIPTION:	

	GATCCCCGTT CCACCCCAAG AGAACTNGCG CTCAGTAAAC GGGAACATGC CCACTGCAGA CACGTAAA	60 68
5	SEQ ID NO:6749 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS07965 SEQUENCE DESCRIPTION: GATCCCCCCT GCCTATCAGC TICTCCTGTG GNGCCTGTTC CTCACTGGAA ATTGGCCTCT GTGTGTGTGT GTGTGTGTN	60 79
15	SEQ ID NO:6750 SEQUENCE LENGTH:28 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGS07966 SEQUENCE DESCRIPTION: GATCGAAAGG GAGGCAGGTT TGCCTAAA	28
25	SEQ ID NO:6751 SEQUENCE LENGTH:294 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear CLONE:HUMGS07967 SEQUENCE DESCRIPTION: GATCTCAAGC CAGCCCCNTC CAGCTCATGA CACTGTTTGG CCTTTCTTGG GGAGAAGGCG	20
	GGGTATTCCC ACTCACCAGC CCTGGCTGTC CCATGGGGAA ACCCTGGAGC CATCCCTTNG D GAGCCAACAA GACCGCCCCA GGGCTATAGC AGTAAGAACT TTAAAGCTCA GGAGGGTGAC D GNCCAGATNC GNCTGCTGGG AAGAGCTCCC CTNCACAGCT GCAGCTGAAT GCATTAGGGC 2	180
35	TACCGNAGGN CCCGGACTTA NCAAACTTTG NCNACAANNG TTCCTAGGGN TTTN SEQ ID NO:6752 SEQUENCE LENGTH:160	294
40	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS07969 SEQUENCE DESCRIPTION:	
45	GATCCCCAAG TGTGAACAGT CTGAAAAGGG CTTTTTGCTT GCTGCAGGGA CCTGAGAATT GAGAAACAGC TGTGAAACTT TGAACCCTGG CTGGAAGGTC CTGGTATTGA CTGTGGCANG I AAAACGGGGG AGCTAATCTG TAATCTGCTT AGACGCCAAA	
	SEQ ID NO:6753 SEQUENCE LENGTH:98	
50	SEQUENCE TYPE: nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGS07971 SEQUENCE DESCRIPTION: GATCAGATTC ACGGACCCAG ATCAAATTAT TTATTCATTA			TTGTAAATAT	TTTTNATTTC	60 98
10	SEQ ID NO:6754 SEQUENCE LENGTH:35 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07973	acid				
15	SEQUENCE DESCRIPTION: GATCCTGTCT CTTAGGAAAA	AAGAAAACCT	СТААА			35
20	SEQ ID NO:6755 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07974	acid	-	····		
25	SEQUENCE DESCRIPTION: GATCAAAGAC CCTGCCTCTA NAAA	TTTNACCCCG	CACTGACTGA	ATAAAGCTCC	TCTGGCCGTT	60 64
30	SEQ ID NO:6756 SEQUENCE LENGTH:38 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7975 SEQUENCE DESCRIPTION:	acid			•	
35	GATCATCTGA GCTGAAGAAA	TAAAAAAACA	CACACAAA			38
	SEQ ID NO:6757 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS07976 SEQUENCE DESCRIPTION: GATCATTCAT ACACTATATT	TATTTTTNCA	TTAAANTATT	TTAAAACCTT	TGGAAA	56
45	SEQ ID NO:6758 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS07977 SEQUENCE DESCRIPTION:					

		GATCTTTCAT CAAGATTTTA ATGTAACCTA TGTCTAATTA				GGCTTGAGGC	
		AIGIAACCIA IGICIAATIA	AAAAIGAIII	UIIUAAIUAA	NCAAA		105
5		SEQ ID NO:6759 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07981	acid				
70		SEQUENCE DESCRIPTION: GATCTACAGA AGCTTTNATT TCAAA	CTCTTACCTT	AACAGTAGTA	ATAAAGTTAA	CATTNTCACA	60 65
15		SEQ ID NO:6760 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic	acid				
20		TOPOLOGY:linear CLONE:HUMGSO7986 SEQUENCE DESCRIPTION: GATCTGTGTG TTGTGGGAAG	AGAATTTTCA	ATATGTAACT	ACGGAGCTGT	AGTGCCATTA	60
		GAAACTGTGA ATTTCCACAT					106
25		SEQ ID NO:6761 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30		CLONE:HUMGS07987 SEQUENCE DESCRIPTION: GATCTCATGG CTTTGATTGN	TTTGGGCTGT	TCAAAATGTT	TATTTGNAAA	ACGTATACAT	60
		TAATAAACTT AACAAAGCGN	TATAAAATAC	AGCGNAATCA	CCCAAA		106
35		SEQ ID NO:6762 SEQUENCE LENGTH:335 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40		CLONE: HUMGS07988					
40	·	SEQUENCE DESCRIPTION: GATCGAAAGG GCCACCATGA ATATGGTTCT CCAAGAAACT					60 120
		AAAATTTGAG ANTACATAAA	CAACGCATTG	CCACGGAAAC	ATACAGAGGN	TGCCTTTTCT	180
45		GTGATTGGGT GGGATTTTTT TAATTTTGGC ATNATTTCTN TGTGTNTGNT CCNANTAANC	TTANTATCAA	CTCTGANGCT			
		SEQ ID NO:6763					
50		SEQUENCE LENGTH: 169					

5	SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGS07989 SEQUENCE DESCRIPTION					
	GATCTTGGAG ACAGGCCA AGCCAATGAC CGAATCTC CCTATGTGCT GTAGCTCT	TC CATCCTGGAG	AAATGTAGAC	TGAAAAGCCA		
10	SEQ ID NO:6764 SEQUENCE LENGTH:212					
15 .	SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGS07990 SEQUENCE DESCRIPTIO					
	GATCTGGGCT GCAGGAGC ACAGAACACC TGGGGCTG AGAAGTGGCC ATGCGGAA	TG GGGCCACCCA CG GGAACAGCCT	GCGTACGGCT	CTCATCAAAC	TCACTGGGGA	120
	AGGATTGAGA NTACCNTA			411		212
25	SEQ ID NO:6765 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGS07991	ic acid				
30	SEQUENCE DESCRIPTION GATCATACCA CTGCACTO NAAAAATAAA TGGGGGCA CCACCTGGCC TGCTGGG	CA GCCTGGGCGA GA AGCTGAGCCA				
35	SEQ ID NO:6766 SEQUENCE LENGTH:360 SEQUENCE TYPE:nucle					
40	TOPOLOGY:linear CLONE:HUMGS07992 SEQUENCE DESCRIPTIO GATCTGTTAT NAAACGAA	AC ACCCCCCGT				
45	GAGCCGGGCC CCCTGTGC TTTACTGTGT TCTGTGAA TTCAACTAAA TCTCCACA ACCATTAGTG CTACCACC TCCTATGCAA CAAAAAAA	AA TTTGTAATTO GG TTTTTTGAGO TT CTCACATTAO	GTTGNGAATC TGGTGTGGAT AATACANTTN	ACTGTGGGCG TAGTTTAACT CTGGAAGCAA	TCCATTCTTA CTTGTATTCA GTACTGCATT	180 240 300
50	SEQ ID NO:6767 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucle		,			550

	TOPOLOGY:linear CLONE:HUMGS07994 SEQUENCE DESCRIPTION:					
5	GATCAAAAGG GCTATGGGAA	GGGCAGACCC	CGCCAATGAT	TTCTCTTCAC	CTGTCTTAAG	60
	ATTAAATAAA AAAGAGTGTC		***************************************		0101011,010	88
	SEQ ID NO:6768					
10	SEQUENCE LENGTH: 65	• •				
	SEQUENCE TYPE:nucleic : TOPOLOGY:linear	acıd				
	CLONE: HUMGS07995					
	SEQUENCE DESCRIPTION:					
15	GATCTTGCCA AGAACCATCA (CGTGTTAATT	TAGTTGCTTA	AACAAAGGT	CTTCTCTTTC	60
,,	TTAAA	outornari	INGTIGOTIA	nncananoui	dilotalitic	65
	SEQ ID NO:6769					
	SEQUENCE LENGTH: 246					
20	SEQUENCE TYPE:nucleic a	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07997					
	SEQUENCE DESCRIPTION:	0 + T. T. T. T. C. C.	Ballaannaa.			
25	GATCAGTGGT GAAATATAGT (GTACTGGATG GACTGAAGTC (
	TGGAGGACCA AGCCCTGGAT (
	CCTGCACATG GAAAGCCCCT A					
	GTGAAA		·	INNINNANI		246
30						-10
	SEQ ID NO:6770					
	SEQUENCE LENGTH: 23					
	SEQUENCE TYPE:nucleic a	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS07998					
	SEQUENCE DESCRIPTION:					
	GATCCTGTCC CTGCCCTGCC A	AAA				23
40	SEQ ID NO:6771					
	SEQUENCE LENGTH: 46					
	SEQUENCE TYPE: nucleic a	acid				
	TOPOLOGY: linear					
45	CLONE: HUNGS07999					
	SEQUENCE DESCRIPTION:	7410177411	010000010=	000111		, .
	GATCTGTATA TCCTCCAGTC C	JAAGATTAAA	GAGGCGGACT	GTGAAA		46
50	SEQ ID NO:6772 SEQUENCE LENGTH:108					
50	SEMACUCE PEURIU:108					

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8000 SEQUENCE DESCRIPTION:	
	GATCCAAACT CATTCTTNCT GTAACCTCAT GATGACGTAT AACCNTTTCC ACCTCACTNG	60 08
10	SEQ ID NO:6773 Sequence length:218	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS08001 SEQUENCE DESCRIPTION:	
	GATCAACGAC GACCTTTTTC CTTTTNATAC TAAAGTAAGA AATAAGAATG TNAGCCCAAA	
	CTGCACTATT TTGCAGACCC CTACCATTTT ACAAACTGGT CAGAGTGGAA AATTCCACCA 1	
20	GGGCCTGAGC TGTGAGAAAC ATCCTGTCAG GCAGGNCCCA GGNCTNAACC CCTGGCTGCA 1	
20	CTAANTTNCT TCATNATCAN CAGCCTAACA NACCGTCN 2	18
	SEQ ID NO:6774	
	SEQUENCE LENGTH: 38	
	SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS08002	
	SEQUENCE DESCRIPTION:	
	GATCAACAGT GCAGAGAATC TAGCAAGTAT AAAAGAAA	38
30	272 to we are	
	SEQ ID NO:6775	
	SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
35	CLONE: HUMGS08003	
	SEQUENCE DESCRIPTION:	
	GATCTGCAAC ATGAANCCCG AGGCATGGGT TGGTGTGATG CCAAGGCAAA GTGGTGAGGA	60
	GAAAACAGGA AACGGNCTTT CTCTGAATTG GTAAATGGGA AAGAAGTGAG CAACTTAAGA 1	
40	TIGICACANT TAATCACAAG IGTACAGGAT TAGACIGGGI ITATATITTAA CICTIGCIIC 1	80
	ATAGGTGTAC CATTTAAAGN GTGTTATNTA NTGCTAAGAA NTAACTGCTT TNATAAAGCT 24	40
	TATTNNNNAA TN 2:	52
	SEQ ID NO:6776	
45	SEQUENCE LENGTH: 34	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS08004	
50	SEQUENCE DESCRIPTION:	
	GATCAAAGGG AATAAAGAGA ACTCTTGGCT GAAA	34

5	SEQ ID NO:6777 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08005 SEQUENCE DESCRIPTION:	acid	•			
10	GATCATATNC TNTTTCTNTT GAGAACACAA ACATNNGTAA				ATTCTCTTGT	60 107
15	SEQ ID NO:6778 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8006 SEQUENCE DESCRIPTION: GATCAAGGTT TGTNTGCCCA		TCTGCCTGAA	AGACGTGTCT	CAAGAAAAAT	60
20	$\begin{array}{ccc} {\tt AAATTCTATT} & {\tt TNAGATGCAG} \\ \cdot & \cdot \\ \end{array}$	GTACTNATAN	TAATTCTAAG	ANTTGATATC	AN	112
25	SEQ ID NO:6779 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08007	acid				
30	SEQUENCE DESCRIPTION: GATCAGAGNA AACGNCTTTA CTATTCTCTG TTCTTTCATG ATCAACAACC GCTATGTAAA					
35	SEQ ID NO:6780 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08008 SEQUENCE DESCRIPTION:	acid				
40	GATCAATCTC ATATTCATTC TAGCATCTAC CATATTTNAT TTATGTATCA TTAAGAAAAA	CAAATCTGTG	ATTCCTTTGA	TTATNATATG	AACCATTATT	
45	SEQ ID NO:6781 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08009	acid				
50	SEQUENCE DESCRIPTION:					

· ·	GATCCAAGTT GAGATTTTAA	TTCTGTGACA	TTTTTACAAG	GGTAAAATGT	TACCACTACT	60
	TTAATTATTG TTATACACAG	CTTTATGATA	TCAAAGACTC	ATTGCTTAAT	TCTAAGACTT	120
	TTGAATTTTC ATTTTTTAAA	AAGATGTACA	AAACAGTNTT	GNAATAAATT	TNAATTCGNA	180
5	TATAAA					186
	•					
	SEQ ID NO:6782					
	SEQUENCE LENGTH: 102					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08010					
	SEQUENCE DESCRIPTION:	ጥር ነ አርጥ አርጥ ር	ጥርጥርጥ (ርጥር ር	CCALATOTCA	ጥጥጥጥ አርሶጥ ር	co
	GATCCATTTC TNATATGTCT TGTGTGTTAA GAAAATAAAA				HUHACCIC	60
15	IUIUIUIIAA UAAAAIAAA	AIAIIINGIA	AAUUICIUIA	AK		102
	SEQ ID NO:6783					
	SEQUENCE LENGTH: 198					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS08011					
	SEQUENCE DESCRIPTION:					
	GATCAAGTAG ATTTTTTAAA	AATCAGAGTC	AATTAATTTT	AATTGAAAAT	TTCTCTTATG	60
25	TTCCAAGTGT ACAAGAGTAA	GATTATGCTC	AATATTCCCA	GAATAGTTTT	CAATGTATTA	120
	ATGAAGTGAT TAATTGGCTC	${\tt CATATTTAGA}$	${\tt CTAATAAAAC}$	ATTAAGAATC	TTCCATAATT	180
	GTTTCCACAA ACACTAAA					198
	CEO ID NO. CADA					
30	SEQ ID NO:6784					
00	SEQUENCE LENGTH: 278 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08012					
	SEQUENCE DESCRIPTION:					
35	GATCAGAGTA AAACNTGGAG	CTAGATTGAT	TACAGAGTGC	AAGGACTAGG	CACCCCGGGA	60
	TTGGAGAGCA TCCTTGAAAG					120
	TAGAAGCCCA GCTAAGAGTA	TGAAGCAATT	AAGACAACAN	TCTTTGCTCA	AGAATCTCCT	180
	AGACAATCCT GATTCAAGCA	CCAGAAACAA	AGGGNNAAGA	AACCTCCCAG	TCTNGTGNNG	240
40	NAAGTNGTAC ACATCNTGTC	AACAGNTAGG	TTNTTTTN			278
	SEQ ID NO:6785					
	SEQUENCE LENGTH: 339					
45 .	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS08013					
	SEQUENCE DESCRIPTION:	CTCC+C+CCC	ምቦ ቸምር ነ ምቦቦም	CCACTIACCA	· . ልጥቸተረርተርርር	60
50	GATCCCATGT NAGCTACACA TCGTGCGCAT CTCAGAACCC					120
50	ICUIUCUCAI CICAUAACCC	JUURTUUJIA	IAAAUUAAAI	VCACICYARI	MADDIDITO	120

	NAGNCTGTNT CAGGCCTACG	GAGTCAGCCA	GTGGCTAGCG	CAAGACCAGT	CACTCCCTCT	180
	GCNTTCAGGC TTCTTTCAAT	TTCATTATCA	TCAAGCAGGA	ATTATGTCGT	AAGTCACTGA	240
	CCCTAACTGC AGACCATGAA	GTAAATTATG	TAACTAGGTT	TTTNNCTTCT	CCAGTGGTGA	300
5	CCACCNNCNC NCATNCCCCG				oonaraaran	339
	oncomone nearneced	GINANAACII	dddiiiin			333
	SEQ ID NO:6786		•			
	SEQUENCE LENGTH: 80					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS 08014					
	SEQUENCE DESCRIPTION:					
	GATCGCCTAT TACTGACAGT	CTCATTGTAG	CTCTAAAAAG	CCTAATGTAT	CCACTGTGGA	60
15	ATAAACTCCA TAGACTCAAA					80
	SEQ ID NO:6787					
	SEQUENCE LENGTH: 279					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	acra				
	CLONE: HUMGS08015					
	SEQUENCE DESCRIPTION:				_	
	GATCTTGAAG AGACCGCTGG					
25	GAGGAAACAG TTAATGACCC	TGAGGAGGCA	GGCCACAGAA	GTGGCTCCAA	GAAAAAGAGG	120
	AAATTNTCCA AAGAGGAGCC					
	TCCAAGAAGG NAGGAAAAAG	TTCCNTTAAG	CATTNCCNGG	GAGNTTTGAA	TTCAAAATTG	240
	GGCATINTIN TITGGGGGTT	GGGNNATTCC	CTTGGCCCN			279
30						
30	SEQ ID NO:6788					
	SEQUENCE LENGTH: 192					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS08016					
•	SEQUENCE DESCRIPTION:					
	GATCCACTCA CCTCGGCCTC	CCAAAGTGCT	GGGATTACAG	TECCCETCCE	TGATGATGGG	60
	AACATGNCCG ACGTGCCCAG					
	AAGAAACTGT GAGCACCTCC					
40	GTGAAAACCA AA	ACTUACAGAG	GCGGCCCCTC	CCACGGCICC	CARTAAAAAT	
	GIGNAAACCA AA					192
	050 ID NO 0500					
	SEQ ID NO:6789					
	SEQUENCE LENGTH: 303					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08017		•			
	SEQUENCE DESCRIPTION:					
	GATCCGTATC GNTTTAAGAA	GCGGACGGAG	CTGTTCATTG	CCGNCGAGGG	CATTCACACG	60
50	GGCCAGTTTG TGTATTGCGG					

5		GGCACCATGC CTGAGGGTAC AAGCTGGCCC GGGCATCANG AAGNCCCGTT TTGAANGTTG TCN	GGACTATGCC	ACCGTTATCT	CCCACAACCC	TTNGACCAAG	240
10	,	SEQ ID NO:6790 SEQUENCE LENGTH:267 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8018	acid				
15		SEQUENCE DESCRIPTION: GATCTAAAAA TCAATGAGAA CTTATAAACA TAAATGTAAT AAGCTCTTCA NCTGTCAAGN ACGCTCATAC ATTGTTGGAA TCCCNNTNTT TCTTCCCTAC	ACTCAGCTGC GTAAGAAGCA ATNAANGTTG	TGTCATCATC ATGTTACTAA	AGAAGAATGA TACCGGCAAG	AGTTGTTTTT NTATGAAAAG	180
20		SEQ ID NO:6791 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	•	CLONE:HUMGSO8019 SEQUENCE DESCRIPTION: GATCATCTGG CAAGACAGCC AAAGNCACTG GGTCTTCATT GTGACCTCCG GNCTACTCAC	GTNTCGTCCA	GCTGTTCATG	AGGCCTTATC	TGAAGCCCAC	
36)	AAATAANTN					189
31	· •	SEQ ID NO:6792 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS08020 SEQUENCE DESCRIPTION:	acid				
40		GATCTGCTGG CAGAGGNCAA CACTTAAGGA ATAAATATGG AACAGTAAA					60 120 129
45		SEQ ID NO:6793 SEQUENCE LENGTH:267 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8021	acid				
50		SEQUENCE DESCRIPTION: GATCAGGACC CACCTCCAGT	TCTNCTGAAA	GTNTGACAGT	GTCCAGCCGG	TTCTGCAGCA	60

	CTAGGGGAGG GGGCAGATGG	TGGTTGCATG	GGCTTCCTGG	GTCTCCACTC	TCCGTCTGGC	120
	CTAAAGGTGA TGTATTTGGT	GTTTGGNCCT	GCAGTCCCCA	CTNTTAAGGC	TTAAGGCGGA	180
	TGTGGAACAN CACTTTCTTT	CAGGAGTAGG	TNGNTNTACT	TGTACCTCAT	TTAGGGCTTA	240
5	GAAAGTTTTN CCNCANACTN	NAAAAAN				267
	SEQ ID NO:6794					
	SEQUENCE LENGTH: 122					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS08022					
	SEQUENCE DESCRIPTION:					
	GATCTACAAA ACAGATAGNG	NAAAGTACAA	CAGAATAGCT	CGGGAATGGN	CTCAGAAGTA	60
15	TGCGATGTAA TTAAAGAAAT	TATTGGATAA	CCTCTACAAA	TAAAGATAGG	GGNACTCTGA	120
.0	AA					122
	SEQ ID NO:6795					
	SEQUENCE LENGTH: 56					
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08023					
	SEQUENCE DESCRIPTION:					
25	GATCCCACTT GTAGATGCTT	GCACTCACAC	AATAAAAACG	TCTGNTATTT	GCCAAA	56
25						
	SEQ ID NO:6796					
	SEQUENCE LENGTH: 130					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS08024					
	SEQUENCE DESCRIPTION:					
	GATCCGTGGT TCCCTGCAGA	CTGGCAGGAG	CAGATTCCAA	AGGCACAGGA	AGAAGCTTGC	60
0.5	AGGTAGAATG TGTTCATTAC	CTTCTGCGCA	TTATACCACA	AAAAAGCTGG	GNATAAAAAT	120
35	GCTAACCAAA					130
	SEQ ID NO:6797					
	SEQUENCE LENGTH: 234					
40	SEQUENCE TYPE: núcleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08025					
	SEQUENCE DESCRIPTION:					
	GATCTGCCCC ATGATTGGTT	CCTTAGGANC	AAGNAATTTA	CAAGTAGNAA	TTATTCCTTT	60
45	CAGAGTAACA TGCTGTATTA					120
	CCCTATTCAC ATTGAATCCT	NTTTGCCCTT	CTGAAACAAT	ATTCAGTCAC	AAGNGNTTTT	180
	GGTCATGTTG GTCTTTGTAA	CAAATNAAAN	TTACCTTATA	TCCTTCTGGA	CAAA	234
50	SEQ ID NO:6798					

5	SEQUENCE LENGTH: 246 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08026 SEQUENCE DESCRIPTION:	acid				
	GATCACAAGG TCAGGAGTTC	GAGACCAGCC	TGGCCAATAT	GGTGAACCTC	ATCTCTATTG	60
	AAAATACAAA AATCAGCCAG					
10	TGAGGCAGGA GAACTGCTTG	AACCCAGCGG	CAGAGGTTGC	AGTGAGCCAA	GATTGAGCCA	180
	CTGCACTCCA GCCTGGTGNT	AGNGCGNGCT	CTGTCTCTAA	ATAATNANNT	AAANTNCNTT	240
	AANNNN					246
	CEO ID NO. CZOO					
15	SEQ ID NO:6799 SEQUENCE LENGTH:114					
.•	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	acru				
	CLONE: HUNGS08027					
	SEQUENCE DESCRIPTION:					
20	GATCAGTGTT AAACTAGATT	GTATTCATTA	CTACATAAAA	TCTATAAACC	ምርምሮምርጥ ል ርጥ	60
	AAGGNGAAAT GACTTTTATA					114
	ALLOW ON THE THE TANK	NONTITIONG	MANATANTAN	AUCATTIATO	IAAA	114
	SEQ ID NO:6800					
25	SEQUENCE LENGTH: 274					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08028					
	SEQUENCE DESCRIPTION:					
30	GATCTTTTGT GCCAAGATGC	AGGGAAATNA	AGAAAGCTCT	TTCCAGCTGT	TTTNATGGAT	60
	TCATGGAGTG GGCTCATGTT	GGGACCAGCT	GACTCTGGGN	GGAAGACTGC	CTCTCCATCG	120
	CTGTCAGAGA GCCTGAAAGG	ACCAACAATG	AGNTGTTCTT	GGGACCCGCC	ATGGGGATGA	180
	TTGCTTCTCT AGGCTNCTGG			TTAACCTCCT	GGTCTNATGG	240
35	TAGTGANCTT GAGCTTTTNN	ATTCNATAGN	AGNN			274
	SEQ ID NO:6801					
	SEQUENCE LENGTH: 42					
	SEQUENCE TYPE:nucleic	anid				
40	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08029					
	SEQUENCE DESCRIPTION:					
	GATCTGTGNA GNAATGAAAT	AAAATGGAGA	AGAAGACAGA	A A .		42
45	umullululul	.~umidonun		****		44
70	SEQ ID NO:6802					
	SEQUENCE LENGTH: 228					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUNGS08030					

	SEQUENCE DESCRIPTION:					
	GATCCAGTTT CAAGAATGGG	CAGGTAAACG	CAGNANGAGG	AAAGGAATGT	GGAATGAGAA	60
	CTTGGTGGTT CACCGCTGTA	CTATTTGTGT	AAATGTTTAC	GTATGTNATA	AGCTACATGT	120
•	ATGTAAATNT TGCAATACCC					
5	CGGGGTTCCT CATCATCAAT					228
	oddddiiddi omiomionii	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
,	SEQ ID NO:6803					
	SEQUENCE LENGTH: 180					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS08031					
	SEQUENCE DESCRIPTION:					
	GATCATATTC TTGAAATTTT	TATAAATATC	TATCCAAATT	CTTACCCTTT	TTTTACCAGC	60
15	TTTGTTTACA GACCCAAATG					
	GAATACCTGT TAAAGGAAAA	TTACAGAATA	ANCTIGIGAL	1661611611	ITACATTAAA	100
	SEQ ID NO:6804					
20	SEQUENCE LENGTH: 277					
		:-				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08032					
25	SEQUENCE DESCRIPTION:		amaa.a.c	CCCTTITULC	TOTALLOLLT	co
	GATCATTCCG AGGTCATTTG					
	NTGGAAAAAC CTTCACTTGG					
	AGCAGCTCCA TAAATGTGAA					
	GTCATTTGAG GATGCACACT			TACACAATGI	GGANAAACC 1	
30	TCACTNGGGG CCTCAANCCT	TACNTAATAA	TGTGGTN			277
	CPA ID NA.COAE					
	SEQ ID NO:6805					
	SEQUENCE LENGTH: 273					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGSO8033					
	SEQUENCE DESCRIPTION:				000000000	
	GATCTACCTC AGTATTCAAG					60
40	TGATATCTTG AGACGCCTTA					
	TTAATATTTG TTGGTATTTA					
	ACCITTACAA CATTTATITA			AACATTTATT	AATTTATNTT	
	AAAATAGCAT GNATAAGCCA	ATTATNGGTT	AGN			273
45	CEO ID NO.COCC					
•	SEQ ID NO:6806					
	SEQUENCE LENGTH: 207					
	SEQUENCE TYPE:nucleic	aclo				
	TOPOLOGY: linear					
E0.	CLONE: HUNGS 08034					

	SEQUENCE DESCRIPTION:					
	GATCCACTCT TCTCGNCCTC	CCAAAGTGTT	GGGATTATAG	GCGTGAGCAC	ANGCGCCCGG	60
	CCTGNTNTGG ATATTTCTTA	TAAATGGAAT	CATACAGTGC	TTNTTTCAGT	TAGCATAATG	120
5	TTTCCCAGGT TCATCCAGGT	CATAACACAT	AATCAGGCTT	CATTINTIT	TATTACCANC	180
	TAATATTCTA TGAATATAAA	NNNACCN				207
	SEQ ID NO:6807					
10	SEQUENCE LENGTH: 273					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08036					
	SEQUENCE DESCRIPTION:					
15	GATCCTGAAG AGATTGAAAA					60
	TCTGAAGGTG TACAGGTGCC					
	GCTCAGCCTG CCACGGAAGA					
	GGAGCAACCA CTGACTGGTC			CTCTTAAGCA	GCATGGNAAA	
20	ATGGTTGCTG GCAAATAAAC	ATCAGTTTCT	AAA			273
	SEQ ID NO:6808					
	SEQUENCE LENGTH: 73		•			
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear	4014				
	CLONE: HUMGS08037					
	SEQUENCE DESCRIPTION:					
	GATCTCCAAC ATCTTTGTGT	TGAAGGGCCT	ACAGAGTAAA	CTGTGGGACT	CAATAAACAT	60
	TCGTTACTTG AAA					73
30						
	SEQ ID NO:6809					
	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08038					
	SEQUENCE DESCRIPTION:					
	GATCACAGCA GACAGGGTCG	CTGCCCTGAT	GGCGCTTACA	TTCCAGTGGG	TCTAATGACC	60
	ATATCTTAGG ACACAGATGT					
40	TTTAGTGTCC TGAGTTCAAA					
	AGTCACTTAA CTTGTTAGCC				AAGAATAGAA	240
	TCTTGGGGTT AGTGTGGNGA	TTAGATTAAA	TGTATGTAAG	GCACN		285
45	SEQ ID NO:6810					
· -	SEQUENCE LENGTH: 62					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08039					
50	SEQUENCE DESCRIPTION.					

	GATCAGTTTC TGGCACATAA	ATGCCTCAAT	AAAGATTTAA	TTACTTTGTA	TAGTGCTTTA	60 62
5	SEQ ID NO:6811 SEQUENCE LENGTH:237 SEQUENCE TYPE:nucleic	:1				
10	TOPOLOGY: linear CLONE: HUMGS 08040 SEQUENCE DESCRIPTION:	aciu				
	GATCATTGGC TATGACAGAG TTGGCTTTGC CTGTCTGAGG					60
15	NTTCGCCATG TGAGGNTCCA ATTNTTGGTG CTGGGGTGTG	TGGGGGGTCA	CCGGANCTGT	TGATACTGCA	ACTACACACC	
	SEQ 1D NO:6812 SEQUENCE LENGTH:215					
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08041	acid				
	SEQUENCE DESCRIPTION: GATCAGCAAA TTTAAGAGAA	GACCTAGCTA	TGTTGGCTGG	TTGCTTTCTA	TTATCATGGT	60
25	ATTTGACCAT TTTAGTTTTA ATGANACATT TCAGANGGTA	ATTCCATGTC	AGATAAGTGT	AAATAGAAGA	GTTTAAAAGC	120
	AATCCTCNTG ANTGACAATN			AANCANNIAI	UNCACATUIA	215
30	SEQ ID NO:6813 SEQUENCE LENGTH:181					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS08042					
	SEQUENCE DESCRIPTION: GATCTAAAAG CCATATCCTG	TCTTTGGTGG	TGGCCTGGTA	GGAATGGCTT	GTNCTAGTTC	60
	TTCAAAGGTA AGATTGACCA GTCAAGNTAT TTTAAAGCAT					•
40	A					181
	SEQ ID NO:6814 SEQUENCE LENGTH:162					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08043					
	SEQUENCE DESCRIPTION: GATCTCAGGC TTCTGCAGTT					
50	ACATTTATAT AGACTGTTGA TGCTTATTTT TAATTTGGGA				CTTCCATCCC	120 162

	SEQ ID NO:6815					
	SEQUENCE LENGTH: 431		•			
5	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
•	CLONE: HUMGS08044					
	SEQUENCE DESCRIPTION:					
	GATCTCAGCG GGGAGCCACG	TCTCTTGCAC	TGTGGTCTCT	GCATGGACCC	CAGGGCTGTG	60
10	GGGACTTGGG GGACAGTAAT	CAAGTAATCC	CCTTTTCCAG	AATGCATTAA	CCCACTCCCC	120
	TGACCTCACG CTGGGGCAGG	TCCCCAAGTG	TGCAAGCTCA	GTATTCATGA	TGGTGGGGGA	180
	TGGAGTGTCT TCCGAGGTTC	TTGGGGGAAA	AAAAAATTTN	TAGCATATTT	AAGGGAGGCA	240
	ATGAACCCTN TCCCCCANCT	NTTNCCNGCC	CAAATNTGTC	TCCTAGNATC	TTATGTGCTG	300
15	GGAATAATAG GCCTTNACTG	CCNTCNNGNT	TTATAGGCCN	ANGGGTCCCG	GTTTCCCGGG	360
15	AACTGGAACC CTTCCTGAGG	GGGAATCCCG	GGGCTCAAAT	TACCCCCNAA	AGGAAAGTGG	420
	CCAAGGCGGT N					431
	SEQ ID NO:6816					
20	SEQUENCE LENGTH: 231					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08045					
25	SEQUENCE DESCRIPTION:					
25	GATCTGTTTC TAAAGCGTTA	CGCATCTTTN	CTGAAGTATG	CTGGAGAGCC	TGTCCCTTTC	60
	ATTGAACCCC CTGAAAGCTT	TGAATTTNAT	GCACAGCAGC	${\tt TAAGAAAATT}$	${\tt GAGGGAAAAC}$	120
	TCTTCTTGAA ATAACCAGGC	GATACTTTGT	TTTGTATATA	TTTGTGATTC	TGTGTCTACA	180
	TGTTATTTTG AAGTATATCT	GAGGGAANNG	GGAATGGAAA	TTTTCTTTAA	A	231
30						
	SEQ ID NO:6817					
	SEQUENCE LENGTH: 147					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY:linear					
33	CLONE: HUNGS08046					
	SEQUENCE DESCRIPTION:					
	GATCCTTCCA GCTGCTCTTC					
	CCATTTTCCC CCTACCCGTC		TAATTTTGAG	AATGCCAGGT	AAATGGAATC	120
40	AGAGCGGATA ATCTTTGGAG	CATGAAA				147
	GEO IR NO COLO					
	SEQ ID NO:6818					
	SEQUENCE LENGTH: 101					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08047					
	SEQUENCE DESCRIPTION:					
	GATCATTTAT ATTTAAGTTT				GTTATAATNA	
50	CATTCAAAAT ATACTTTTTT	GCATTGNNAA	AATGTTAANT	N		101

5	SEQ ID NO:6819 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8048 SEQUENCE DESCRIPTION:	acid				
10	GATCAAGCCA AACAGTAAAA CAACAGTATT CTGCATGGTT AAATTCTGTA TGTGTAAGNG TATACTTGGG CNTAANTTCA	CACTGCTTAA NTGTTTAAAT	GAAAATGCCT ATGTTTGGGT	TCTGGAATAT CCTAAACAGC	TTGTAAACTG TTTTTAAAAT	120
15	SEQ ID NO:6820 SEQUENCE LENGTH:195 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08049	acid				
20	SEQUENCE DESCRIPTION: GATCATITTG TTTGTTGCTC CTCCCCTTAC CCAGGCTTAG AGCTAGTGTC ATTTAACCTT TTTTTAAATG TNAAA	GNTTAATTAC	CTGAAAGATT	CCAGGAAACT	GTAGCTTCCT	
25	SEQ ID NO:6821					
30	SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08050 SEQUENCE DESCRIPTION:		CNCTTTTCC	OCCUPATION.	TACACTTATA	00
	GATCATAAAT ATTTTGTAAT TAATTACATT GATGGCAATG	TAGNGTTTGA	ATTTCAGTCT			
35	TAGNAATTTT NATTGCTTTA	AAGTTTTGGA	TATGGGTGGN			160
40	SEQ ID NO:6822 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08051 SEQUENCE DESCRIPTION:					
45	GATCTATAGG AAGATTGAAC GGTACTCCAC ATACTTCAGT AAGCATTTTG TAATAATAAA	GAGGGTAAGT	ATTTTCCTGT			60 120 157
	SEQ ID NO:6823					
50	SEQUENCE LENGTH: 150					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08052 SEQUENCE DESCRIPTION:	acid				
	GATCCAGNTT GTTGCATCAA GTACCATAGT AAACACCTGT ATAAAGTTGC TGTAAACATT	GGAAGGACGT	CAGGAATGTT			
	MIMMOTICE TOTALACATE	IUIUINONN				100
10	SEQ ID NO:6824					
	SEQUENCE LENGTH: 268					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear				•	
15	CLONE: HUMGS08053					
	SEQUENCE DESCRIPTION:					
	GATCTGTCCA CTTTGCTCTC					
	CGGAGGTCTC TGCCTTCACC					
20	TTAGTGAAAA ATTCATTTTA					
	GTCAAAATAT GNAGCCTGTT		TTAAAAAAAGN	NNTAGNATAT	CCCAAATGGN	
	ACATTTCAGG NATTAANTAA	IIGNAAIN				268
	SEQ ID NO:6825					
25	SEQUENCE LENGTH: 197					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08054					
30	SEQUENCE DESCRIPTION:					
30	GATCTGAGAA GTGAGTGTAA					
•	TAAAGTTGCT GCAGTCCAGG					
	CATTTCTTGG GAATCAAGTG	CATCCCTAGG	CTGGCAGTGC	AGCAGAAATA	CTGAATAAAA	
	TGTGACAAAT CTCCAAA					197
35	SEQ ID NO:6826					
	SEQUENCE LENGTH: 196					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	5015				
40	CLONE: HUNGS08055					
	SEQUENCE DESCRIPTION:					
	GATCAAGTAA AAATGAAGGA	CAACGTGAAG	TTTAAAGTTC	GATGCAGCAG	ATACCTTTAC	60
	ACCCTGGTCA TCACTGACAA	AGAGAAGGCA	GAGAAACTGA	AGCAGTCCCT	GCCCCCGGT	120
45	TTGGCAGTGA AGGAACTGAA	ATNAACCAGA	CACACTGATT	GGAACTGTAT	TATATTAAAN	180
	TNCTAAAAAT CCTAAA					196
	SEQ ID NO:6827					
	SEQUENCE LENGTH: 213					
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGSO8056 SEQUENCE DESCRIPTION: GATCATCAGT ACTGTTGTCT TAAAAATNAT GTGTGAAATA GAGTGCCAAA AATCTGTCTT ATAAATTTAT TTTGATAAAT	GAATGAGTGC GAAGGCAGCT	TATGGTGTTG ACACTTTGAA	AAAACTGCAG	TGTCCGTTAT	120
10 '	SEQ ID NO:6828 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08057	acid				
	SEQUENCE DESCRIPTION: GATCGTCCTG CAGGTATTTT ATGGTGCACT TGGCTCCCTG NTAAAAAACCA TGN					60 120 133
20	SEQ ID NO:6829 SEQUENCE LENGTH:269 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGSO8058 SEQUENCE DESCRIPTION: GATCTGCTAC ATTTTAAAAG					
30	TTCTGTTATT TTTNCCCACT GAATCAAGTT TCAGTAAAGG GCTGTTTTTG GNGANGACAA CTGTGACAGT GNCTAATCCC	TGTTTTAGAT AGNAAATTAA	GANCATCCCT	TAATTTGAGG	TGTTCCAGCA	180
35	SEQ ID NO:6830 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08059	acid				
40	SEQUENCE DESCRIPTION: GATCTATCCA ATAAAGGAGA AGAGTTTGAC CATCTGCCTC GCTACTTGAG GGTCTGGNCT	CGAGGAATGG	AGCTGACTTT	NACATCACAG	GGATGAAGGA	120
45	GGNGTCAGCG CTGAGGNCAT CTTTGGTACT CATGTNTCNT SEQ ID NO:6831	TTGNTACCAG	ACCNGNGCAC	AAGTCCTCTG	NCAGCACATT	
	SEQUENCE LENGTH: 174					
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGSO8060 SEQUENCE DESCRIPTION: GATCATGGTG GTTTGGCAGC AGGGAATTTG TCTTGTTGGA GCCTGCTCTG TGCTCCCCAC TCCATTTCTC TGTCCCTCTG CCTGGGCTAT GGGAAGTGGG GATGCAGATG GCCAAGCTCC 1 CACCCTGGGT ATTCAAAAAC GGCAGACACA ACATGTNGCT CCACGCGGCT CAAA	
10	SEQ ID NO:6832 SEQUENCE LENGTH:253 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	TGGGCGTGGT GGGCGCCCAA ACCGTGGCAG CAGGACCGAC AAGTCAAGTG CTTCTGCTCC 1	
20	TNATGTGGAT GACCCAGAGG CATTCCCAGC TCTGGCTTAA CTGGATGCCA TAAGACAACC 1 CTGGTTCCTT TGTGAACCCT TCTGTTCAAA GCTTTTGCAT GCTTAAGGAT TCCAAACGNC 2 TACTGTAATT AAA	
25	SEQ ID NO:6833 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08062	
30	TIOTISTAL AL MANAGEMENT CONT.	60 86
35	SEQ ID NO:6834 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08063	
40	AAAAAGCCAT TAACCNGGNT CTAATATTTG CATGATTCTA ATAAANGTAT GTCAACTTCT 1	60 20 24
4 5	SEQ ID NO:6835 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE:HUHGSO8064 SEQUENCE DESCRIPTION: GATCCCCTCA GAAGGCAGGA GTGCTGCCCT CTCCCATGGT GCCCGTGCCT CTGTGCTGTG	60

	TATGTGAACC ACCCACGNGA	GGGNATAAAC	CTGGCACNNG	GACCAAA		107
5	SEQ ID NO:6836 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8065	acid				
10	SEQUENCE DESCRIPTION: GATCCTCCTG TCTTGGTTTC CCCAATAAAA AAATCTCGTT TTAAA					60 120 125
15	SEQ ID NO:6837 SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear CLONE: HUMGS 08066 SEQUENCE DESCRIPTION: GATCACTAAG ATTAGCTATA					60
	AGATGCCAAA GAGTGGGATT TACCCTGTGG AACTGTATTA					178
25	SEQ ID NO:6838 SEQUENCE LENGTH:222 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGSO8067 SEQUENCE DESCRIPTION: GATCCCCGGC CAAGCCCAGT					60
35	CCTGTAATTG TCCAGGANTG TGGGTGGGAT GCTCACTACA GGTCTGTCGC CAATAAAGNG	GCTCTGATGT	ATATAGCACA	CAGCCCAANT		
40	SEQ ID NO:6839 SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8068	acid				
45	SEQUENCE DESCRIPTION: GATCCCAACA GGCCCTGGCA GCTGNCACAA CCAACACNNN ACCTGTTGGT TTCTACAATG AAATTATATT NAAAAATGN	AGCAGGTTTT	CCATTTTCTG	TACTTTNATA	TTTCTGTTCA	
50	SEQ ID NO:6840					

5	SEQUENCE LENGTH:284 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08069 SEQUENCE DESCRIPTION:	acid		·		
	GATCATGAAA CTTAGTAGAG	GGGATTGTGT	GTATTTNATA	CAAATTTAAT	ACAATGTCTT	60
	ACATTGATAA AATTCTTAAA	GAGCAAAACT	GCATTTAATT	TCTGCATCCA	CATTCCAATC	120
10	ATATTAGANC TAAGNTATTT					
	TGGATTGCGT TGTTTCTTAG				GTGNATATGT	240
	GANATHNNAT GGATTCTTCT	ATAGCTAAAT	GNGTTCCCTC	TNGN		284
15	SEQ ID NO:6841 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08070				•	
20	SEQUENCE DESCRIPTION:	CC 1 1 1 CT CCT	CCC1771010	OTOT 1 100C1	0001010000	•
	GATCCACCTG CTTCGGCCTC NTGCATGTCA AGCACATTGG					
	MIDCALDICA AUCACALIUG	NAAGIICIIA	CAACAATICI	GNIGGAGGNI	1111	114
	SEQ ID NO:6842					
25	SEQUENCE LENGTH: 253					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08071					
30	SEQUENCE DESCRIPTION:	111611116	CC++++*****	CACTCCAAAA	0 + TT 0 + 0 T + 4	
	GATCTGTCTC TCAAAGGAAG TTCTAGGTGC AAATAACTGG					60
	CCAAACCTAT TTCCCTTGTA					
	TTTAGGTGCA ATATTACGAA					
	CCCTANGTTA CAN	CIUCIIAUUI	ONUMINOMIT I	INGINICIOC	Adilition	253
35	VIII.					
	SEQ ID NO:6843					
	SEQUENCE LENGTH: 103					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS08073					
	SEQUENCE DESCRIPTION:					
	GATCTTATAA CCTCATTGTT	TCCTAATCAT	TTTATTTCAT	CTCCTGCTAG	TACTGTGCCG	60
45	CTTCCCCCTC CCCCCACACA	AAATAAAAAC	AGTATCTGCC	AAA		103
	SEQ ID NO:6844					
	SEQUENCE LENGTH: 110					
	SEQUENCE TYPE:nucleic	acid	•			
50	TOPOLOGY: linear					

	at aug universaria					
	CLONE: HUMGS08074					
	SEQUENCE DESCRIPTION:					
5	GATCCGTGCC CCACCTCTCC					60
	AAACAAAATA GAGAAACTTT	CCTTATAAAT	AAAAGTAGTT	TGCACAGAAA		110
	SEQ ID NO:6845					
	SEQUENCE LENGTH: 246			•		
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08075					
	SEQUENCE DESCRIPTION:					
15	GATCAGGGCT GAGGGTAAGG	AAAAGAAGAG	ACTAGGAAAG	CTGGGCCCAA	AACTGGAGAC	60
	IGITIGICIT TCCTGGAGAT	GCAGAACTNG	GCCCGTGGAG	CAGCAGTGTC	AGCATCAGGG	120
	CGGAAGCTTT AAAAGCAGCA	GCGGCNTGTG	CCCCAGGGCA	CCCAGAATGA	TTTCCCTATG	180
	GGCACCAGGC CAGNGAAAAA					
	CCCAAA					246
20						
	SEQ ID NO:6846					
	SEQUENCE LENGTH: 105					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUNGSO8076					
	SEQUENCE DESCRIPTION:					
	GATCTACCTG CATATAACAG	TCTCTAAGTT	TTTTTTCAA	TCTTGCANTT	TGATAATTTT	60
	GATTTTGGCC ANATTAGNNT					105
30						
	SEQ ID NO:6847					
	SEQUENCE LENGTH: 26					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUNGS 08077					
	SEQUENCE DESCRIPTION:					
	GATCAAAAGA GCTGTCTGAC	TGCAAA				26
40	SEQ ID NO:6848					
	SEQUENCE LENGTH: 84					
•	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08078					
45	SEQUENCE DESCRIPTION:					
	GATCCCTTGA GCCCAGGAGT	TCCAGACCAG	CCTGGGAAAT	ATAGGGAAAC	CCTGTCTTTA	60
	CAAAAAAAA TTTTAAAAAT					84
50	SEQ ID NO:6849					
00	SEQUENCE LENGTH: 217					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08079 SEQUENCE DESCRIPTION:	acid				
10	GATCAGATTC CTGACTAACC ACACTTCTTA GGGATTAAAT GTTTTAGTGT AAAATTGTTA AACTATTTCA CATGAGTCAA	ATAGNTGTNA ACCTTGTAAG	TTTTTCAAAA ATGGATANTG	TCGTTTTTAA	TTTAAACTGT	120
15	SEQ ID NO:6850 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08080 SEQUENCE DESCRIPTION:	acid				
20	GATCTCACCC AGTGTGCAAT CAAAGTCTAT TTCAAGNATA			TCATTACTTT	TGTCTTAAAG	60 93
25	SEQ ID NO:6851 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO8081 SEQUENCE DESCRIPTION:	acid				
30	GATCAATGAA CCATCTCTTC AAGAATGACC AAA	TGGGCAGTTT	TGTTGAAAAT	AAAGGTTTCT.	CTTTGATTTC	60 73
35	SEQ ID NO:6852 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8082 SEQUENCE DESCRIPTION:	acid				
40	GATCACCGGT TTCCGACTGA CNGGGAATTT GAAANACGCT				CTACGGTGCC	60 104
45	SEQ ID NO:6853 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO8083 SEQUENCE DESCRIPTION:					
50	GATCAACATC ATTAAAGATT TATATTACCA TATTTACTGA AAA					60 120 123

5	SEQ ID NO:6854 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08084	acid				
10	SEQUENCE DESCRIPTION: GATCACTTGA GCCTAGGAGG GCCTNGGTGA CAGCGTGAGA			GATGGCACTC	CTGCGCTCCA	60 91
. 15	SEQ ID NO:6855 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08085 SEQUENCE DESCRIPTION:					
20	GATCTGTCAG NACCATTTGA TACTTTTTCC TGCTTATGTA GAGGAGTAAC CATCTCTGAG ATANTGTGCA NCTNTTNTAG	NTACTATATG GGTGGGATTC	CTTAAAAAAC TGGGGGANTT	CTGGAGGAAT	ACTTACCAAA	
25	SEQ ID NO:6856 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS08086 SEQUENCE DESCRIPTION: GATCTTNCTC CATTTACAGT AGCAAA	ACATTCTTAG	GATGTATGTA	GTAAATAAAG	СТТТСТТТАА	60 66
35	SEQ ID NO:6857 SEQUENCE LENGTH:43 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08087	acid				
40	SEQUENCE DESCRIPTION: GATCACCCCG TAGGAAATAA	AGCAGGCATC	TCTGGACCTC	AAA		43
4 5	SEQ ID NO:6858 SEQUENCE LENGTH:338 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8088 SEQUENCE DESCRIPTION:					
50	GATCAAAAGA CAGNTAAATN	TTTCTTCTAG	AACACAGTTA	CCCCCTTGCT	TCATCTATTG	60

	CTAGAACTAT CTCATTGCTA	TCTGTNATAG	ACTAGTGATA	CAAACTTTAA	GAAAACAGGN	120
	TAAAAAGATA CCCATTGCCT	GTGTCTACTG	ATAAAATTAT	CCCAAAGGTA	GGTTGGTGTG	180
	NTAGTTTCCG NGTAAGACCT	TAAGGCCACA	GCCAANCTCT	TAAGTACTGT	GTGNCCACTC	240
5	TTGTTGTTAT CACATAGTCA	TNCTTGGTTG	TACTATGTGA	TGGTTAACCT	GTAGCTNATN	300
	ANTNIACTIA TIATICINTI	CCTCCTTTAC	CTCANCNN			338
	SEQ ID NO:6859					
10	SEQUENCE LENGTH: 251					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08089					
	SEQUENCE DESCRIPTION:					
15	GATCGTTTGC AAGTAACTGA					60
	GGAAATAGCG TTGTTATCGG					
	GCCTACCCGA GGAGANGNGG					
	CGTTTGTATT ACTGACCACA	TATGCTTGTC	ACTGGGCANG	AAGCCTNTTT	CNGCTGCCTN	
20	CACGCANTTT N					251
	CPO ID NO.COCO					
	SEQ ID NO:6860					
	SEQUENCE LENGTH: 359 SEQUENCE TYPE: nucleic					
25	TOPOLOGY: linear	aciu				
20	CLONE: HUMGS08090					
	SEQUENCE DESCRIPTION:					
	GATCTTAATA TAAATNCACT	TTCATTTTN	ATAGCTGTCC	CATCTGGTCA	TTTGGTTGGC	60
	ACTAGACTGG TGGCAGGGGC	-				
30	TCAGAATTTG TGTTGAAGGA					
	GAAACTACTG CCTTTAGAAA					
	CATAGTTTTT CAGTCTATGG					
	TAGTANTTTN GTAAAGTTGG					
35						
	SEQ ID NO:6861					
	SEQUENCE LENGTH: 75					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS08091					
	SEQUENCE DESCRIPTION:					
	GATCCCCAAA CCACAAATAC	ATATGTGTGC	CTAAGTTTGT	GCATGCATAC	ATTAAACAGG	60
	ACATAAAGTG TTAAA					75
45						
	SEQ ID NO:6862					
	SEQUENCE LENGTH: 228					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
30	CLONE: HUMGS08092					

	SEQUENCE DESCRIPTION:					
	GATCATCATG GCAAAACCAG	CTGGTGGGCC	CAAGCCTCCA	AGTGGGAAGA	AAGACTGGGA	60
	TGATGACCAA AATGATTGAA	ATTGGCTTAA	TTTTTACTGT	AGGTGAAGGC	TGTATTTGTA	120
5	GTAGTACTCA AGAATCACCT	GATGTNTTCT	TATTCTCCTT	AAATTAAGAG	TTATTTTGTN	180
	TTTGTNTTCT TGGCTGGATG	TTATAATAAN	CATATTGTNA	CTGTCAAA		228
	SEQ ID NO:6863					
	SEQUENCE LENGTH: 299					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS08093					
	SEQUENCE DESCRIPTION:					
15	GATCATGCCT ACTITCTTCT	NTGTATCTCC	CTCCTTCCCA	GCCCACCCGG	GCAGCAGACT	60
	CTNATGGAAG NAAGGTGCCG	TAGTGGGNTT	TTAGAAACTA	ACGGGACTGG	TTTTCAAAGC	120
	AGTTATCTTG GGAAACTGTT	TATTCCAGCG	ATGTGACTTT	TTTNAGAATA	TTTCTTGGAA	180
	TCATATTCAG AGTCTGGGGC	TGTGTGTTGA	GCAGCCTTAA	GGNTGCTAGA	CACTCATTTA	240
	GTGCCCAGGG AGTCCAGCGA	ATGACGTCTG	TGGCCAAGCG	AGGTCTCAGG	TGCAAAGCN	299
20						
	SEQ ID NO:6864					
	SEQUENCE LENGTH:298	-				
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS08094					
	SEQUENCE DESCRIPTION:					
	GATCCTCTGA ACCTGCAGAG					
30	AGCTGGACTC CTCCTACACA		•			
30	NGNNTGTCGG GGAGCCCCTG					
	NGGCCTTGGT GAAGCTGCCC					
	GGGGGTGGGT GCTGCTTGTG	GTTTAGTCTT	TTTTTTTTT	TTTTTNTTTN	TNANAAAA	298
35	SEQ ID NO:6865					
33	SEQUENCE LENGTH: 296					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08095					
40	SEQUENCE DESCRIPTION:					
	GATCTGCGGG GCAANTTCAA					60
	ATGCTCAAGG CCCTGCTGGG	CTCGAAGCAC	AAGGTGTGCA	TGGACCTGAG	GGCCAACCTG	120
	AAGCAGGTCA AGAAGGAGGA					
45	AGGAAGAACA TCGAGGAGAA					
	TCCTAGGCCA CTCGCTGCCC	CTACGNCTGC	CCCGGTGCCC	GGTTCCCAGC	AGAANN	296
	SEQ ID NO:6866					
	SEQUENCE LENGTH: 310					
50	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY: linear	
	CLONE:HUMGS08096 SEQUENCE DESCRIPTION:	
5	GATCCTGTTC TGTCAGCTGC ACCCTGAGCA AAAACTTGCC ACACCAGNGC TCCTAGAAAC	c
3	AGCCCAGGCT TTGGAGCGGA CCCTGAGGAA GCCTGGGGAGG GGTTGGGATG ACACCTATGT 1:	
	CTTGTCAGAT ATGCTCAAGA CGGTGAAAAT TGTGTGACTG CTTAGGCCAA GCAGCCCTCC 13	
	TGCCTAGAAT GACCTTGGAC TCCCAGCCTG CCAGNGAATG NAGAAATACA ACGCACAGTA 2	
	CTTTTGAAGC TTCGTATTTT TCTTGGTTTC ACACTCAGCT ACATGTGACC TCCAGCTTGG 3	
10	TGCGGTTAGN 3.	
	SEQ ID NO:6867	
	SEQUENCE LENGTH: 285	
15	SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY: linear	
	CLONE: HUMGS08097	
	SEQUENCE DESCRIPTION:	
	GATCAGTTCA AGAAGGTAAT CCAAGGGCCT GATGACTCTT TTGGTAACCA GACACCAATC	ะก
20	AAATAAGGGG AGGAGATGAA AATGGAATNA TTTCTTCCAT GCCACCTGTG CCTTTAGGAA 12	
	CTGCCCAGAA GAAAATCCAA GGCTTTAGCC AGGAGCGGAA ACTGACTACC ATGTAATTAT 18	
	CAAAGTAAAA TTGGGCATTC CATGCTATTT TTAATACCTG GNTTGCTGAT TTTNCAAGAC 24	
	AAAATACTTG GGGTTTTCCA ATAAAGATTG TTGTAATATT GNAAA 28	
05) J
25	SEQ ID NO:6868	
	SEQUENCE LENGTH: 201	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS08098	
	SEQUENCE DESCRIPTION:	
	GATCAGACTC TGTATCAAAA GTACCTTTGC CCTTAGGAAG AGTGAGTATT GGAGTCATCT	:0
	TATCTATTAC TCCAAACCTC CCTTTTNATT TCTTGAGCCT GGCTTGGACC TTGGCATTCC 12	
	GTTTGANTTC CTTCTAACTG GAACATTTGT GTTGTATCTG TAACACTGGC ACTGAAATAA 18	
35	AGACCACACG GTTAAAGNAA A	
	The state of the s	•
	SEQ ID NO:6869	
	SEQUENCE LENGTH:50	
40	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS08099	
	SEQUENCE DESCRIPTION:	
45	GATCATGTGC TGCCTTTTAC TGCTGAATTA AAACAGATAT TTCACGNAAA	50
	SEQ ID NO:6870	
	SEQUENCE LENGTH: 43	
	·	
50	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
JU	torobout.liuear	

	CLONE: HUMGS08100 SEQUENCE DESCRIPTION: GATCTTCAGT GTAAATNACC ATGTATAAAC TGTAAAGTGC AAA 43
5	•
	SEQ ID NO:6871
	SEQUENCE LENGTH: 247
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
10	CLONE: HUMGS08101 ,
	SEQUENCE DESCRIPTION:
	GATCATTTAA TATATTCATA TTACCAAGAC TATTATACTG GAAGTGGTTT TTGTGTTATA 60
	AAGGTTTAAT TTTACATANG GCAGTTACTT AATGTGATTT TNAACCCTTA AAAAAGTGGA 120
15	GATGTATACA TTTGTTAACA ATGCCATGAA AGCATTTNCT TTCTCCTAAG GAAAAGTGAA 180
	TTTCTTATCA GAATATCTGG CTGGCCCTGT AATTTAAATT AAAATAAANT TTTGGCGNAN 240
	CAGCAAA 247
	SEQ ID NO:6872
20	SEQUENCE LENGTH: 288
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS08102
25	SEQUENCE DESCRIPTION:
	GATCTATCTG AGAACAAAGA AGTCGACAGA ATAACATTGA TGACTTTTTA AATAATTAAT 60
	TTATTTGAAG AATGCTTGCA TACAAAAAGC TTCCTGCAGG AATTTTAAAC AAGCTGTCCT 120
	TGGTTATCCC AGGCAATGTC AGTTGATTTA NTTAAGTTTA CATGCAAAAG NGAATACAAT 180
	TGTAACATTA ATTGGAACAT TAAGTTGGCT TATAAGCAGT ATTTCCACTG CTCCTACAAT 240
30	TGNTTTNNGT TATTTGATAN TTNATTTNAN ATTNGTNTTT GGTGTGGN 288
	SEQ ID NO:6873
	SEQUENCE LENGTH: 294
35	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08103
	SEQUENCE DESCRIPTION:
	GATCGTACCT ATTGCACTCC ATCCTGGATG AAAGAGCCAG ACTCTGTCTC AAAACAAACA 60
40	AAAAAGCGTG GGGACTTCTG GGGACAGACA AGGTGCCTGT AATATATTTN CTCAGTCTTT 120
	GCCCTGAATG GTCTCAGCTT GANACCATNT CAAACTGGAG AGAAGCAAGC CAGCCAATAG 180
	AATGGGGTGA TTTACAGGGA TTTCTGTTTA CTGTCAAAAT ATTTCTCATC TGCACTATGT 240
	TTCCATTTGT GGTCCTGAAG GAAATTCTTA TAACTCAACA TTTGTCTGGT CTTN 294
45	
	SEQ ID NO:6874
	SEQUENCE LENGTH: 295
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
50	CLONE: HUNGSO8104

	SEQUENCE DESCRIPTION:					
	GATCCGACAC TCCAGGCAGA	GCAGAGGGCA	GGAGAGGCCC	AAAGAGCTAG	GTCAAGCAGC	60
	TGGCTCCCCT GGAAGGGGAG					
5	GCATGGCTGT CTGCACACTC					
5	GTGAAACTNA TCAGTGTCAC					
	GCGGCCTTGG CTGCTCCANA					295
	deddecting cideteenin	GCANICCUNI	IUCICCANCI	ICAAGCCATI	GGGGK	290
	SEQ ID NO:6875					
10	SEQUENCE LENGTH: 168					
	SEQUENCE TYPE:nucleic	ani d				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGSO8105					
15	SEQUENCE DESCRIPTION:	0.50.000	* * * * * * * * * * * * * * * * * * * *	T001101000	0001001000	00
	GATCCTGTAT TATCCATCTA					
	GGCCCTGCAA GCTTAGGATG				TUATTUCCTC	
	TTATCCATCT GCAGGTGAAT	CTTCAATAAA	ATGCTTTTGT	CATTCAAA		168
20	SEO ID NO. COSC					
	SEQ ID NO:6876					
	SEQUENCE LENGTH: 141	. ,				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS08107	•				
	SEQUENCE DESCRIPTION:		G			
	GATCCTTGAG ATGACTGTAG					
	AACCAGAGGA CTCAGCGAAA		ATTCCTGACC	TACAGCGGCA	GTGAGATAAT	
00	AAATGCTGTT GAGGTCACAA	A				141
30	are th we come					
	SEQ ID NO:6877					
	SEQUENCE LENGTH: 124					
	SEQUENCE TYPE:nucleic	acıq				
35	TOPOLOGY: linear					
	CLONE: HUMGSO8108					
	SEQUENCE DESCRIPTION:		a. aaa. maa.			
	GATCTGCTCA CCCTCGGTNC					
	GGGTGCCCAT NGTGAGCTGT	GTATTTCCTA	GGAGGTAGAA	AACAATAAAA	AATTGCATGC	
40	TAAA		•			124
	CEO ID NO. COZO					
	SEQ ID NO:6878					
	SEQUENCE LENGTH: 280					
45	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY:linear					
	CLONE: HUMGS 08109	•				
	SEQUENCE DESCRIPTION:	000000000	0001080010	1.01.01.00.00.00.00.00.00.00.00.00.00.00	00.000000	
	GATCCTCCTG CCTCAGCCTC					60
E0.	LABALLINES STATES AND ALL	A A LA A LA A TILLETT	TALL DE ALTON	A FIGURATOR A	TOTAL TOTAL A TOTAL	1.70

5	ACTCCTGGAT TCAAGCAATC TTTTAATAGT CGATTTGTGT NTGTTGNTGN AAAAAGTANA	ATATTTTTTG	GTAGTATCTA	CATATATTTA		
10	SEQ ID NO:6879 SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08110	acid				
15	SEQUENCE DESCRIPTION: GATCATTGTT GAACTTCAGC CTATATCTTG TTACTTACAA ATATCNGTGT ATATACACGC ATAAGTATTA TTANTAAA	AATAAAAAAC	AGATTAATTA	GTGGCTTTTA	AATTGTAGTT	
20	SEQ ID NO:6880 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGSO8111 SEQUENCE DESCRIPTION: GATCAAAGTT GTTAAAATTA TTCAAA	TAAATNTATG	ATGCAGNAAT	AAAATTGATA	TATTTTGATA	60 66
30	SEQ ID NO:6881 SEQUENCE LENGTH:100 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8112	acid				
35	SEQUENCE DESCRIPTION: GATCTCTTAC CTTTGGAAAA TTTTGTTATT AAATAGCATT				AAGAAGATGG	60 100
40	SEQ ID NO:6882 SEQUENCE LENGTH:30 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08113	acid				
45	SEQUENCE DESCRIPTION: GATCAAAGAA ATAATTCTTT	TGCCACTAAA				30
50	SEQ ID NO:6883 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE: HUMGS08114					
•	SEQUENCE DESCRIPTION:					
	GATCACTACA ACAATTTGNC	TGCCTCCAAG	GTCCTCTGAG	${\tt GCAGAAGGCT}$	CTGGGGNTTC	60
5	TGCTGTCCTT TGGNGGGTGT	CTTCTGGGTA	${\tt GAGGGATGGG}$	${\tt AAGGAAGGGA}$	CCCTCACCCC	120
	NGGCNCTTCT TCTGACCCTG	CCACTAAAAA	ATTTATGGNC	CAAGGGCNCA	AA	172
	SEQ ID NO:6884					
	SEQUENCE LENGTH:291					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08115					
	SEQUENCE DESCRIPTION:					
15	GATCAGCAAT NAGGGTGAGG					
	GAGGAAGGAG AGGGAGGAGA					
	TGCCCTGCTC ACAGATGAAC					
	CCAGCACCCT GAGACCACAC					
20	AAGACAGTTT CGCCTCTNGA	AAGCCGCAGC	TGCGCCTAGG	CTGGAGCTGG	N	291
20	CEO ID NO COOC					
	SEQ ID NO:6885					
	SEQUENCE LENGTH: 30 SEQUENCE TYPE: nucleic	aaid				
	TOPOLOGY: linear	acid				
25	CLONE: HUMGS08116					
	SEQUENCE DESCRIPTION:					
	GATCTGTAAA TAAAACTTAC	ATTTTTCAAA				30
30	SEQ ID NO:6886					
	SEQUENCE LENGTH: 291		•			
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
05	CLONE: HUMGS08117					
35	SEQUENCE DESCRIPTION:					
	GATCTGCCTG CCTCGGNCTC	CCAAGTGCTG	GGATTACAGG	CGNGAGCACG	TGCACCCAGC	60
	CTAGAATCTT GTATAATATG	TAATTGTAGG	GAAACTGCTC	TCATAGGAAA	GTTTTCTGCT	120
	TTTTAAATAC AAAAATACAN					
40	CAACCTCATT GGNACAAGTA					
	TGTTTTACAA TTTTNACCAT	TTTTTTCAGT	AATTACTGTA	AANNGNNNNN	N	291
	SEQ ID NO:6887					
45	SEQUENCE LENGTH: 288					
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGSO8118					
	SEQUENCE DESCRIPTION:					
50	GATCCCAAGC TCAGTCCCCA	CAAAGTTCAG	GGCCGGTCGG	AGGCAGGGC	AGGTCCGGGT	60

	CCAAAGCAAG GACACCACAG GATGTGAAGT CCCACGCTGC	-				
	AAGCCCAAAG TGAAGAAGGA					
5	CACTGANGGG CCCTGGACAG				44.14401000	288
	SEQ ID NO:6888					
40	SEQUENCE LENGTH: 308	1				
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGSO8119					
	SEQUENCE DESCRIPTION:					
	GATCCGCATT GAAGACCCAC	CCCGCAGAAA	GCACATGGAA	TTCCTGGGTG	GTGCAGTTCT	60
15	AGCGNTTATC ATGAAAGNCA					
	GGGTGTCCGT GTGCTAGAGA					
	CATCATACCC GTAATGCTTT					
	CAGGACATGG AAGAGGCCTC	TNTCTGCCCT	TTGACTGGAA	NGGTCAANGT	TTTATTCTGG	300
20	TTGTCTGN					308
	SEQ ID NO:6889					
	SEQUENCE LENGTH: 308					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGSO8120					
	SEQUENCE DESCRIPTION: GATCATGTCT TTTGCAGGAA	CATCAATCCA	CCTCCACCCT	ለ ጥጥ ለ ጥር ር ጥጥ ለ	CCAAACTAAT	60
	GCAGGAACAG AAAACCAAAT					
30	AACTGATGAA CACAAAGAAG					
	GGAGGAGGGN GAGGAGCAGA					
	GAAATAATCT GTACAACAAA					
	TGTACCCN					308
35						
	SEQ ID NO:6890					
	SEQUENCE LENGTH: 224	•				
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS08121					
	SEQUENCE DESCRIPTION: GATCAATTCC CTTGAATAGG	GAACTAACAT	ΤΤ ΩΟΟΤ Τ ΔΔΔ	ተ ተሞተተተራይ ልሮ	CTCGTCTTTC	60
	TCCATATTGT CCTGCTCCCC				_	
45	GAGAGAACCC AGATGTTGTT					
	GTACAATGTT AACCCTAAAT					224
	SEQ ID NO:6891					
	SEQUENCE LENGTH: 28					
50	SEQUENCE TYPE:nucleic	acid				

5		TOPOLOGY:linear CLONE:HUMGSO8122 SEQUENCE DESCRIPTION: GATCAAATAA AGTTATAAAA					28
10	•	SEQ ID NO:6892 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8123	acid				
15	s	SEQUENCE DESCRIPTION: GATCAGGCCT GGCCACTCCT AATNCTGATT CCNNTACTAC TAAAACTATT TATATACAAA	ACCCTTCCCA				
20		SEQ ID NO:6893 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	·	CLONE:HUMGSO8124 SEQUENCE DESCRIPTION: GATCGTCATC CCTTCCTGGA CTAGGAAGAT GGATGAAAAC AGGGAAGAGG GGTTGTTTCT	AGCAAGCCTG	TGGATNGAGA	CTACAGGGGA		
30	,	SEQ ID NO:6894 SEQUENCE LENGTH:253 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	i	CLONE: HUMGSO8125 SEQUENCE DESCRIPTION: GATCACCTGA GGTCAGGAGT CTAAAATTGA AAAATTAGCT GGCTGAAGCA GGAGAATCGC	GGGCATGGTG	GCAGGTGCCT	GTAATCCCAG	CTATTGGGGA	120
40)	GCCACTGCAC TCCAGCCTGG TTTTTCTGCG AAA					
45	ı	SEQ ID NO:6895 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8126 SEQUENCE DESCRIPTION:	acid				
50	•	GATCACTTGC AGCCCAGNAA TAAAAAAGTT TGTTTTTAAA				ACCONCTCTC	60 99

	SEQ ID NO:6900
45	CLONE:HUMGSO8130 SEQUENCE DESCRIPTION: GATCATAAAA CGTTGTAAGT TTTCTAAAAC ACATAAGCTC TCAATAAACG TTAGCTTATC 60 ATTGTCACAA A
40	SEQ ID NO:6899 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	AGGGTGGGGG TAATTGTNTG TTGGTNGGCC CAGTTAGTGG GCTTTNNTAA GTGTGTGTAT 24 GCGGTCTGTA NCTATTGCCA TATAAATAAA NAATCCTGTT GNACTNGTAN 29
	SEQUENCE DESCRIPTION: GATCCGCAAC AACTCAGCCA TCCACATCCG AGTCTTCAGG GTCACACCCA AGTAATTGAA 6 AAGACACTCC TCCACTTATC CGNTCCGTGA TATGGCTCTT CGCATGCTGA GTACTGGACC 12 TCGGACCAGA GCCATGTAAG AAAAGGCCTG TTCCCTGGAA GCCCAAAGNA CTCTGAATTG 18
30	SEQ ID NO:6898 SEQUENCE LENGTH:290 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8129
25	TATGCAAAGA NITCAAA 13
20	TOPOLOGY:linear CLONE:HUMGSO8128 SEQUENCE DESCRIPTION: GATCATGGTG AAATATTTTN GATATATAAA TTCCTTAAGC TATTGTAACC ATGTTTTATT 6 GCAAAGATGT AAAATATGCC AGATGTGTGT NAGTTGGAAA TCAAAAAAAG NAAAATAAAN 12 TATGCAAAGA NTTCAAA
15	SEQ ID NO:6897 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic acid
5	TOPOLOGY:linear CLONE:HUMGS08127 SEQUENCE DESCRIPTION: GATCAAGCTA TGCCTGATNC TGCCTTAAGC CTTATNAGGT CGCCACGGAA CCGCAGAAAC 6 TCCTGGTGGG CAGAGCTGTG TGTGCCATCT TCATCATTGC ATTACCACCA CCAAGCACAG 12 TGCCTGGCAC AAAAGAGTTG CTCAATAAAT AAATCAGGAT GANTGGNTAA ATACATGGNT 18 AGGCACTTTG AGCTACAGAT GCGTTTAAAT ACTTTGTGTT TTTCTTAGTC AAACATGTGC 24 ANTTANGCAT GTGATAAATG CTATGATGAC CACAANANTG CACAAA 28
	SEQ ID NO:6896 SEQUENCE LENGTH:286 SEQUENCE TYPE:nucleic acid

5	SEQUENCE LENGTH: 211 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO8131	acid				
10	SEQUENCE DESCRIPTION: GATCAAACAC TGTCAGAATT TTACTATTCA ATATTGAACA CTNCATTAAA TCTTAATGTA AAAGNNGGGN TTGTTANCTT	TAATATTGTT ATATTGTAAG	AAATATNGNG NCTTTTGAGA	ATGAAATGCT	GTTGGATNTG	
15	SEQ ID NO:6901 SEQUENCE LENGTH:81 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8132	acid				
20	SEQUENCE DESCRIPTION: GATCATCATC TNCTTGCGGA AAAANGCTGG TNGAACTTAA		TGGTCTTGTG	TGTTCTGTTA	TTCAAACAAT	60 81
25	SEQ ID NO:6902 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08133 SEQUENCE DESCRIPTION:	acid				
30	GATCAGACAC TGCCTTTTGT CATATTAAAA NAGTGTACAT ACTGAAGNTT TTATTTTTNG	ATATAAATAT	NACCTCTTTT	GCTGTACAGT	TGTGATAGAG	
35	SEQ ID NO:6903 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08134	acid				
40	SEQUENCE DESCRIPTION: GATCATCTAA TTCTCTGTGG CCCATACAAG TTTATAAAGA	***************************************		TTACAAGGGA	TAATTTAGAC	60 92
45	SEQ ID NO:6904 SEQUENCE LENGTH:312 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08135	acid				
50	SEQUENCE DESCRIPTION: GATCTGGAAA ATACTGGAAA	ATGTGATACT	TAGAATACTT	TGGCTGCTAA	GGAAACTTCC	60

5	TCTCCATTGC AGAATAGCTG NTGCCTGCTG GAGGTTGCCA GGAGCCACTT GGCAGAAGGG AGGGCCCTTT CTCAGGGGAT CTAAAATTGA GN	TGGAGGGCCA TGCAGGGCTG	TTCCTGCCCG CTGGTGTCAG	GCAACAGCAC AGCAAGAGGG	CGTCCTGCAG CTACAGGGAA	180 240
10	SEQ ID NO:6905 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08136	acid				
15 .	SEQUENCE DESCRIPTION: GATCTCTCTT GCAGCTTGAG AGCCCAACAC TTTNCTAAGA AAA					60 120 123
20	SEQ ID NO:6906 SEQUENCE LENGTH:212 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08137	acid				
25	SEQUENCE DESCRIPTION: GATCTCAACCA CAGACCCTNA CTCAACCAGC TACACGTACA AACCCCCGGA CTCGAAACAT CAGGCAGTTT CAGCGTCGAA	GCTCATGGAG GGACCTGGGG	CTGAGGAGCT ACTTAAAGAT	GCAAGGNTTA	CAAGCAGTGT	180
30	SEQ ID NO:6907 SEQUENCE LENGTH:235 SEQUENCE TYPE:nucleic					212
35	TOPOLOGY:linear CLONE:HUMGSO8138 SEQUENCE DESCRIPTION: GATCAAGCCA AAAGAAATAT					60
40	AAAGCACCAA TGAATAACAT GTTTATAAAT TGCTTAATTT GTCACAGGNA TTGTNAGGTC SEQ ID NO:6908	GTGTNATCTA	TTATCCAGTA	AACCCATAGT	TCCATGATAT	
45	SEQUENCE LENGTH: 224 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO8139	acid	·			
50	SEQUENCE DESCRIPTION: GATCCTTTGA GCCCAGAAGT	TGGAGACCAG	CCTGGACAAC	ATGACAAAAC	CCCATCTCTA	60

	CAGAAAATTT AAAAATTGGC	CAGGCGTGGT	CGCGCACGCT	GTAGTCCCAG	CTATTCAAAA	120
	GGCTGAGGTG GGAGGATTAT	GTCCCTGGAG	CCCAGGAAGT	GGNGGTTGCA	GNGATTGCAT	180
5	CACTGCATTT NAGCCTGGGT	GACAGNGTAC	GCCNCTGTAT	CAAA		224
	SEQ ID NO:6909					
	SEQUENCE LENGTH: 215					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS08140					
	SEQUENCE DESCRIPTION:					
	GATCCTGCTG GCCAGAAGCA	AGCGGGNNCG	GCAATAAATC	CAAGAAATTG	TCCCAACAAC	60
15	CACCAATTCT TACGGAGGAN	TATTATTTAG	CCAGCAGGAG	TCGNGTTTGG	TTTACTGCTT	120
	TTACTGTTTT GNGTTCATGN	CINTITATIT	TAATGGCGTT	AAAAGCACAG	GCAAATGTCT	180
	TTGGTAATGC AGCTTAGTAT	GANTTCTNTT	ANAGN			215
	SEQ ID NO:6910					
20	SEQUENCE LENGTH: 253					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS08141					
25	SEQUENCE DESCRIPTION:					
25	GATCACAGAC TCTGAAGNCA	GACTGGCAAG	ATTCAAATCC	CGACTGCCAT	TTTTAACTGA	60
	AAGACCTTAG GTAAGTTACC					120
	ATCCACTTCA CAGAGTTATG					
	GTACTTGGCA CATAGTAAGG					
30	TNTCCNAATN AAA					253
	SEQ ID NO:6911					
	SEQUENCE LENGTH: 359					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS08142					
	SEQUENCE DESCRIPTION:					
	GATCACACTG CTGCAAGACC	TGACCAGTTG	AGCTTCCGGC	GTGGGGAAGT	GCTGCGTGTC	60
40	ATNACCACAN TGGATGAGGA	CTGGCTCCGC	TGTGGGCGGG	ATGGCATGGA	GGGTCTNGTG	120
	CCTGTGGGGT ATACCNACCT	TGTTCTGTAG	CCCTGGNGNC	CTTTCCTGCG	TATGTGTCTC	180
	CTTCCTGTCA CCTGGGCATG					
	GCAAAATGAC GTTTCTTCCC	ACGTCTGTTT	CTGCTAATAT	TTAAAATAA	CTTTCCTTCT	300
	TCCCTCCTAT ACCANCTGTA	AGGGAAAATN	TGCTCTTNTT	CCAAATATAT	AAAAAGGTN	359
45						
	SEQ ID NO:6912					
	SEQUENCE LENGTH: 49					
	SEQUENCE TYPE: nucleic	acid				
50	TOPOLOGY:linear					
	CLONE: HUMGS08143					

	SEQUENCE DESCRIPTION: GATCTTTTAC ATTGCAAACA		TTGCTTAAAA	GGGTTGAAA		49
5	SEQ ID NO:6913 SEQUENCE LENGTH:30					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear CLONE: HUMGSO8144					
	SEQUENCE DESCRIPTION: GATCAGTTAA TAAACATGAG	TAGCTTGAAA				30
	SEQ ID NO:6914					
15 .	SEQUENCE LENGTH: 128 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	40.4				
20	CLONE: HUMGSO8145 SEQUENCE DESCRIPTION:					
20	GATCTGAACT GTACAAAGTT					60
	TGACACCAGC TCCTTTTCCT GGAATAAA	TNTATACATT	ATTTAATACC	TATTAAATAC	AATTATTTT	120 128
25	SEQ ID NO:6915					
	SEQUENCE LENGTH: 425 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	aciu				
30	CLONE: HUMGSO8146 SEQUENCE DESCRIPTION:					
	GATCTACTTG TAACTTGTTG	GCCTTCTTCC	CACATCTGCC	TCANACTGGG	GGGGGCTCAG	60
	CTCCTCGGGT GATATCTAGC	CTGCTTGTNA	GCTCTAGCAG	GGATAAGGAG	AGCTGAGATT	120
35 .	GGAGGGAATT GTGTTGCTCC CCTGGCTTCC GNGGGCCAAT					
	AGAGACTCAC ATGCTTTGGT	TAGTATCTGT	GTTTCCGGTG	GGTGTAATAG	GGGNTTAGCC	300
	CCNGAAGGGN CTGAGCTAAA CNAGCGCTAN ATGCAACCAT					
40	GGTTN	INCACINITU	IIMIMUIMIC	IAAGGGINNG	NNAGITAAAC	420 425
40	CEO ID NO. COLC					
	SEQ ID NO:6916 SEQUENCE LENGTH:81					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS08147					
	SEQUENCE DESCRIPTION:					
	GATCCACCAC CCAGCTTCAC		CAGCGGCTCA	CCATGGGGAT	GGCAGCAATA	60
50	AAATACTTCT AATGGAACAA	А				81

	SEQ ID NO:6917					
	SEQUENCE LENGTH: 254					
5	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS08148					
	SEQUENCE DESCRIPTION:					
	GATCAACAAG CTTTNCCACG	AATTTAAGAG	TTTTATCAAG	ATATATCGAA	TACTTCTACC	60
10	CATCTGTTCA TAGTTTATGG	ACTGATGTTC	CAAGNTTGTA	TCATTCCTTT	GCATATAATT	120
	AAACCTGGAA CAACATGCAC	TAGNTTTATG	TCAGNAATAT	CTGTTGGNTT	TCCAAAGGNT	180
	GTTAACAGAT GANGTTTATG	TGCAAAAAAG	GGTAAGATAT	AAATNCAAGG	AAGNAAAANN	240
	GTTGNTAGCT AAAN					254
15						
	SEQ ID NO:6918					
	SEQUENCE LENGTH: 134					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS08149					
	SEQUENCE DESCRIPTION:					
	GATCAGAGGA ACCTTAGAGG					60
	AAGTGAATAT TTTCCCTTCT	CCCTTTACCC	TTCTCCAGAA	ATAAAGCAGG	TGACAGGGTT	120
25	TTNAGAATCT TAAA					134
	TEO ID NO COLO					
	SEQ ID NO:6919					
	SEQUENCE LENGTH: 277					
30	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS08150					
	SEQUENCE DESCRIPTION:				•	
	GATCAAGAGT AATTACCAAC	ፐፒ ለ ለጥር ተጥጥ	TCCATTCCAC	TTTC & CTT & A	CN ** * * * * * * * * * * * * * * * * *	60
	NAAATCCTGA GGACTAGCAT					
35	AGTGAATCTA GGAAGACAGC					
	GNCTGAGGAG CAAGCGAGCA					
	TTTTGTATTG TTTGCATCCC			71110011011111	Additioni	277

40	SEQ ID NO:6920					
	SEQUENCE LENGTH: 255					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08151					
45	SEQUENCE DESCRIPTION:					
	GATCTACCAC CAGAGAGTTC	ACACTGGNGA	AAGNCCTCAT	GAGTGCAATN	AATGTGGAAA	60
	ATCCTTTAGC CGAAGCTCCA	GCCTCATTCA	CCACCGGAGA	CTTCACACTG	GAGAAAGACC	120
	CTATGCGTGC AGTAAATGTG					
50	GAAAGTCCAC ACNGGGGANN	GGCCTTATGT	GTGTGGGGNC	TNTGGGNANT	CCTTTAGCCA	240
	TAGCTCCANC CTTAN					255

	SEQ ID NO:6921 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic	aaid				
5	TOPOLOGY: linear CLONE: HUMGSO8153 SEQUENCE DESCRIPTION:	aciu				
	GATCTGGCTT NTCCNGGAGG	CTNCCATGGT	TGGAAGATGG	TATCAGAGGG	CCTGCCTGGG	60
10	CAGTCTGTCT CCGGGCCAGG					
10	TGCTAGGACC AGGGTGATTT	CAAGCCAGGG	AAGCAACTGG	GACCCTGAAA	ACTGTCCCTC	180
	CCCAGCCCGG TCCNCGTGTA	TGTGCCNTGG	TCCCCTTGCT	GCCATGTGGA	TGCTGTTGTN	240
	ATTGCTGTTT GTATATTATC	AAAATGTTTT	TAN			273
15	SEQ ID NO:6922					
	SEQUENCE LENGTH: 83	1				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08154					
20	SEQUENCE DESCRIPTION:					
	GATCTTCTTT ATAACTATTT	ATTGTTCGAA	TCACTTTTAG	GATGTAACTT	TATAAATAAA	60
	CATGAGCGCT GATGATTTGC					83
25	SEQ ID NO:6923					
	SEQUENCE LENGTH: 207					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGSO8155 SEQUENCE DESCRIPTION:					
	GATCCTCATC TCCATCCTCA	ፐርርፐርፐፐርር ዮ	TCACAGCATT	TACTTCCACC	ፐርፕፕፕሮፕሮ ልሮ	60
	ACACCATGTC AGTCATGATG					
	CTAAGATGGG AAACTGTGGT					
05	TGACTAAATA TACAGTCATT			0111100110110		207
35						
	SEQ ID NO:6924					
	SEQUENCE LENGTH: 199					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS08156					
	SEQUENCE DESCRIPTION:					
	GATCACTGTG GGCTGGAGAG					60
45	ATANCAAAGC ATACTAGAGC					
	GGTATGACTA CCGTTACCTA	CTNTTGTCAT	TGTTATTACA	GCTATGGCCA	CTATTATTAA	
	AGAGCTGTGT AACATCAAA					199
50	SEQ ID NO:6925					
50						

5	SEQUENCE LENGTH: 358 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGSO8157 SEQUENCE DESCRIPTION:	
10	GATCATGCAG CAGAAGCAGA AAAAGGCAAA CNAGAAGAAG GAGGAACCCA AGTAGCTTTG TGGCTTCGTG TCCAACCCTC TTNCCCTTCG CCTGTNTGCC TGGAGCCAGT CCCACCACGC 1 TCGCNTTTCC TCCTGTAGTG CTCACAGGTC CCAGCACCGA TGGCATTCCC TTTNCCCTGA 1 GTCTGCAGCG GGTCCCTTTT GTNCTTCCTT CCCCTCAGGT AGCCTCTCTC CCCCTGGGCC 2 ACTCCCGGGG GTGAGGGGGT TACCCNTTCC CAGTGTTTTT AATTCCTGTG GGGCTCACCC 3	120 180 240
	CALLEGE PRODUCTION OF THE CALLEGE PRODUCTION	358
15	SEQ ID NO:6926 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS08158 SEQUENCE DESCRIPTION: GATCTGTACA TTTTACTATC TGTAAAATAT TCTTCAAAGA ATAAAATAAA	60 62
25	SEQ ID NO:6927 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE: HUMGSO8159 SEQUENCE DESCRIPTION: GATCAGATAC AGCATTAAAC GTTTCTCAGT CTCCCTNTCC TCATCTGTAA A	51
35	SEQ ID NO:6928 SEQUENCE LENGTH:259 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08160	
40	ACTTATTTCC AGAAAACTTT GGTGATAATT CTTGAGACAA AAGGTGGTTA AGTAGCATTA 1 TTATGTAATG CTTATATACC ATAGAGTTTT TAATAGANGA GAAATCCATT TCCTCCGAGG 1 GTCACTATTA ACAATGTACT TCCTTAAATT TNGTTTAATG ATTGTGATGG GTGCTGCATT 2	80
45	SEQ ID NO:6929 SEQUENCE LENGTH:226 SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY:linear	

5	CLONE:HUMGSO8161 SEQUENCE DESCRIPTION: GATCGGATGC TGAATAAAAC TCACCGTGAA GCAAGTCCCA CTGAACGAAA AGTTGGTCGT 60 AGCATTTNTC AGCAGCTGCT TCCGGCTCCC TGAGACCCAG CCATGGAAGG CATAGAAAGG 120 CATGTGACAA GAAACTCATG GCTTTTAATC CTGGCAGGNC AAGGAAAACC CCGTCAAAGN 180 TTTGCATAAN TTTTGCTGCT CTCCTGCTGG GGGGGNNGG NNNNNN 226)
10	SEQ ID NO:6930 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGSO8162 SEQUENCE DESCRIPTION: GATCGTTCTT GATTTTGTTT TCATTAGTGT CATTTCTTTG TCATTGAGGA CTTTTCCCCT 60 TACAACAGTA ACACCATTTT TTGAAGAGCA AAACTTATAA TACCTCCTGG GATTGTNAGC 120 TAGTCATTCA GCCTGTGTAA CCATGTGGAA ATAAAAATTG ACGACCAATG TATTATATGG 180 ACAACTTTTG CTTTGAGTAA TAAACTTGAT TGTAGGAAA 219	
20	SEQ ID NO:6931 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGSO8163 SEQUENCE DESCRIPTION: GATCCCACCC ATTCTTTCAC TTTAAGAAAA AACAAATAAT TGTTGCAGAG GTGTCTGTAT 60 TTTGCAGCTG CCCTTTTGTA AGANGCACTT TTCCCAAATA AAACAATTAA A 111	
30	THE STATE OF THE AUGINGACTI THE COMMIN AMERICAN A	
35	SEQ ID NO:6932 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08164 SEQUENCE DESCRIPTION:	
40	GATCATTTGA AATNTCTGGG AGTCTGAGGN GTACTGACAT AATNACCTGC TGGAGTCTGT 60 AAATACACAT TTAAGACAGT GAGGATGTGA ATAAATATAT TAATGCAAA 109	
45	SEQ ID NO:6933 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8165 SEQUENCE DESCRIPTION:	
	GATCAAATAG AGCCCTGTCC AGGTAGAAAA GAAATGGTAT GTAGAGCTTA GATGTCCCTA 60 TTGTGACAGA GCCATGGTGT GTTTGTNNTA ATAAANCCAA AGAAACATAA A 111	
EA		

5	SEQ ID NO:6934 SEQUENCE LENGTH:243 SEQUENCE TYPE:nuclei TOPOLOGY:linear CLONE:HUMGSO8166 SEQUENCE DESCRIPTION					
10	GATCCCAGCT GTTCTAGGC CCCAGTGGCT GGGCTGCCC ACATGGCCAT GGAGCCTTG CTGGGAGGGG AGCCTGGCT AAA	A GGGCTGAGGG G GTACCCCTGA	GCCGCCTCTT GTTAAGGGAG	GAGGGTACAC GACATTTGGC	GCCTCTGGTC CAGCTGGTGG	120 180
15	SEQ ID NO:6935 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8167	e acid				
20	SEQUENCE DESCRIPTION GATCTATTTT NATAGGTTCA TCTNTTTAGT TTGGGTTCA GAAA	TTTTCAGAAG	_		*	
25	SEQ ID NO:6936 SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic TOPOLOGY:linear	: acid				
30	CLONE: HUMGSO8168 SEQUENCE DESCRIPTION: GATCAGTTGT ATGTAAATGT TCCATAAAGT ATTTCTCCCA	ACATTTTGT				
35	ATTAAATTTA TGTAAATGTO SEQ ID NO:6937 SEQUENCE LENGTH:314 SEQUENCE TYPE:nucleic		AAAATATGNT	TAAAATAAA		169
40	TOPOLOGY:linear CLONE:HUMGSO8169 SEQUENCE DESCRIPTION:		A.D.A. G.D. T. C. C. T.	CACTCALCCT	000000000000000000000000000000000000000	
45	GATCACATTT AGGAGCAAGC GCTGGTAGCC TTACCCACTC ATGTCTCCCT TTTGCAGAGC AGAAGAAAAG AAATGAATGT CACGGAAGNT ATATTTAGCT	AGGGAGAGGA TGTATTGACT GAAAGAAAGC	GCTGAAACAT TGTTCAAGAA CAAGCATCNN	GAAATGGGGA TAACTGATAT TTTGCACTTA	TGCGTGANCA GCCTTCACTC AATCANTTAC	120 180 240
50	TTCCCTGGGN NAAA					314

5	SEQ ID NO:6938 SEQUENCE LENGTH:46 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08170 SEQUENCE DESCRIPTION: GATCAAGTGA CTGTTTAATA AATNAGTTGC TTGGGTAGAA TGGAAA	46
10	SEQ ID NO:6939 SEQUENCE LENGTH:21 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS08172 SEQUENCE DESCRIPTION: GATCTTGCTG AAAACCAGAA A	21
20	SEQ ID NO:6940 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08173	
25	SEQUENCE DESCRIPTION: GATCAACAAT CATCACCTGC CTTTTGTAGA AAAGAAAAAC AAAAAAAGTA AATAAAAATT TTAAACAGTA AAATAAAAGT TTAAA	60 85
30	SEQ ID NO:6941 SEQUENCE LENGTH:274 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08174	
35	SEQUENCE DESCRIPTION: GATCACTACT GCAGCAGAAT GGTCTATGTN ATTTTCCTTC TTTGGTTTTT NCCTGACTTA CATTCGTAAT TTTAAGAAAA TTTCTTTACG GGTGGAAGCC AATTTACATG GATTAACCCT 1 CTATGACACT GCACCTTGCC CTATTAACAA TGAACGAACA CGGCTACTTT CCAGAGATAT 1 TTNATGAAAG GATAAAATAT TTCTGTAATG ATTATGATTC TCAGGGATTG GGGNAAGGTT 2	120 180 240
40	CACAGNAGTT GCTTATTCTN CTCTGTAATT TTAN	274
45	SEQ ID NO:6942 SEQUENCE LENGTH:246 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8175 SEQUENCE DESCRIPTION:	
50	GATCTAAGTT GGGCAAAAGA GAGTCATCCT GTTACCTTAA AAAGGAGTCT AGGGTGAGCC CCAGTCTGCT GGTGGCCATC TTCACCACCT TTGGGGAGAG ATGGCCTCNG CAGACACACA	60

	AAGCAAAGAG GTGGAGAGAA CCAGTCCCCC CGACTACGCT ANGAAA					
10	SEQ ID NO:6943 SEQUENCE LENGTH:215 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08176 SEQUENCE DESCRIPTION:	acid				
15	GATCCACATN ATACCGGTGC TGGAAGGGCC CAGATTTTTG CCAAATATGA TTTAAAATAT NTGAATAAAG AATCAGTTTA	GAACAAGGAT CTTGGAGTCA	GCATACTATA AAGACTGCAG	ACTTATGTCT	TCCTCAGCGA	120
20	SEQ ID NO:6944 SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGSO8177 SEQUENCE DESCRIPTION: GATCTGGACA CGAGCAGTCC CCACCCTGGG GTGGGTATTG ACACCTCTTC AAGGGAGCGT	TGGGCACTGC	TGCTCTGCTA	GGGAGAAGCC	TGTGTGGGGC	60 120 171
30	SEQ ID NO:6945 SEQUENCE LENGTH:161 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGSO8178 SEQUENCE DESCRIPTION: GATCGGCCCC GGAAAAAGTC GCCACCCTGA ATTTACCCGG TAACTTTATA TAANTATCTC	CATGCACTCT	TCAGATAAGC	CATGTCGGCC		
40	SEQ ID NO:6946 SEQUENCE LENGTH:251 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGSO8179 SEQUENCE DESCRIPTION: GATCCTTGGG GAAGGTTTCA ACATAATCAT GTTTCCAAAG					60
50	TAATTTGCTT TCTGAGATAG CCTGTGCAAG GAACACTTCC	AATATCTGGC	AGAAGTGTGA	AACTGTATTG	CATGCTGCGG	180

	AATTTTATAA A					251
						201
	SEQ ID NO:6947					
5	SEQUENCE LENGTH: 277					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08180					
	SEQUENCE DESCRIPTION:					
10	GATCCCTCTT GGTGTGAGTT	TTCTGACCCA	ACCAGCCTCT	GGTTAGCATC	ATTTGTACAT	60
	TTAAACCTGT AAATAGTTGT	TACAAAGCAA	AGAGATTATT	TATTTCCATC	CAAAGCTCTT	120
	TTGAACACCC CCCNCACTTT	ANTCCNTNGT	TCAGGCCGAT	GNGCTTGCTT	TCCTTCANCC	180
	TGTTTGTTTT CTTATTTAGG	NCTATTTATT	ANTGGTTGGN	CCAATGTACT	CACAGCTGTT	240
15	GCGTCGAGCA GTCCTTNGTG	AAANTNCTGT	ATAANTN			277
	SEQ ID NO:6948					
	SEQUENCE LENGTH: 130					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS08181					
	SEQUENCE DESCRIPTION:					
	GATCCAGCTT CAGCTGCACA	CCTNTGTCCC	CTTGGATGGG	GNACTAAGGG	NAAACGTCTG	60
25	TTGTATCACT GAAGTTTTTT					
25	TTTTTCAAA					130
	SEQ ID NO:6949					
	SEQUENCE LENGTH: 101					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08182					
	SEQUENCE DESCRIPTION:					
35	GATCACCAAT NNTNNCTTTG				CTCGCCATGG	60
•	TAAATACATG GCTTGCTGCC	TGTAATACCG	TGGTGACGTG	N		101
	SEQ ID NO:6950					
	SEQUENCE LENGTH: 304			•		
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08184					
	SEQUENCE DESCRIPTION:					
45	GATCATGAAG ACCTGCTTTA					
45	AGTAGGAGGG GCATCAGCTC					
	GGATGTACTG TCTGGAAAGG					
	GGTTAACCAA GTACCGAAAA					
	CAATGACCTT TTGATGGTGA	CCTACCTGGC	CAACCTCACA	CAGTCACAGA	TTGCACTCAA	
50	TGAN					304

5	SEQ ID NO:6951 SEQUENCE LENGTH:268 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8185 SEQUENCE DESCRIPTION: GATCCTATCT GTNCTGGCAG		CATGGTGGGC	TACGCCTTGC	TCAGNGGCAT	· 60
10	TGTCTCCATN CAGNGGGCAA GAGGAGGATG AAGAGGAATN TGCATTCCAG NGGCCCCCGT ACCCAGAATA AAGCCACTCA	CGCTGCTCGG ATTTGTCCTC GCCTCCTCGT	GCCCCAGGCA ACGCTCCCAA	CCCGGACCCT GACTGGTTTT	GGGCATGGCT TNTACTCTNA	120
15	SEQ ID NO:6952 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08186	acid				
20	SEQUENCE DESCRIPTION: GATCCCACCG AAGCAGCGTG TCTTCCACAC CCTCCTGGGA NATTAAAGAT AATTTATGTA	CCCCAGCCCT	GGAGAAGTAG			
30	SEQ ID NO:6953 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08188	acid ·				
	SEQUENCE DESCRIPTION: GATCAGTGGG TCTAAGTNTC TGAGTTTGCA AA	CGAGACTTAA	CGAAAATAGT	ATTTCAGCTG	CAATAAAGAT	60 72
35	SEQ ID NO:6954 SEQUENCE LENGTH:293 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS08189 SEQUENCE DESCRIPTION: GATCAGCATC CTNCGNTGCC	CCTTAGCAAC	TNAGGTGGTT	GATTTGAAAC	TGTGAAGGTG	60
45	TGATTTTTC AGGAGCTGGA TTAACGTATT TAAGGGACCA CATTTGTCAC AGGTGTCTTG CAAGGGAATT TAGTATGTNA	AGTCTTAGAA CTTAAGACGA TGATTGANAA	AAGCCTNGTA GATTAGATGG TCATGAGCGA	AATGCCTATA GCTCTTCTGG AGTGAAATTG	TTGTGGGCTT ATTTGTNCCT CNTTGANTTT	120 180
50	SEQ ID NO:6955					

5	SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8190 SEQUENCE DESCRIPTION: GATCCTTCAA TAAAAAATCA		GTTCCTAGGG	ATAAAAGGAA	GTTCAGAAGG	60
10	NTATGTAGGA AATACTGTTG NCTTTTTGTT AAGTTTGTGT TAAA	TCTCTCTGGG	GATTGGGATT	ACAGGGATTT	TTTCCTCTTT	120
15	SEQ ID NO:6956 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08191 SEQUENCE DESCRIPTION:	acid				
20	GATCTTGAAT TTCTACATAA CTGTTTCCTG TTTCTAAACT ACCAGATAAC AGTGGCACTT CTGGAAGTAA AGTTGTTGAT TACATGATTC AAANTCTAAA	TGTAGAAAAT TGTTGCTGCT TTATTCAATA	CATCCATACA TTTTTATCTT GAGTATTCTC	TCTTACAGTT TAGCTTAGGT AATTAATTTG	GTCAGTTTTA TAACAGGACC GCTAGATTTC	120 180 240
25	TTGGNGGGGN CATCCCAAAA					327
3 0	SEQ ID NO:6957 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8192 SEQUENCE DESCRIPTION: GATCTAAGTG GTGGTATGGA	•				22
35	SEQ ID NO:6958 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08193 SEQUENCE DESCRIPTION:	acid				
45	GATCTGTTGA CAATGGAGCA ACCCCTCAGC AACTGGAGAA ACTTTTTAAA ATACACTGGG GCCTGNTAAA ATATATNCTT	ATGATTTTCC TAAATCACCT	CTTCAAGAAA ATACTTAGAG	AACTACAGTG TAACAGTTTG	GGATTCATTT	
50	SEQ ID NO:6959 SEQUENCE LENGTH:331 SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGSO8194
5	SEQUENCE DESCRIPTION: GATCTTACTT GCGAAATGCG ATGGTTGCTG GGAATACCTG AAACTGTGGA TTATATTGCT 60 TGACTTCTAC CTCAGAATCT NCTTTGTTTC ATGACTTAAT AGTGCTTTAA GTNNGGTATA 120
	TNATTTNACC NCTAGGAATT CTNTGTTTTA CACAGAAATA AAAATTTTAA AATAGAAAAT 180
	GCTTTTACTT TGTAAGGTAA GNGAGTATCC ATATGCTTAG ATGTGCTCGT TTCTAAAATN 240
	CTAGNGGTTG CTATANTCAG CTCATGGAAT GCACAGCTAT TGCTTTTTGT GNTAGATTGT 300
10	ACATAAACAT CAGCAGNTGN AAGGGNAAAT N 331
	SEQ ID NO:6960
	SEQUENCE LENGTH:211
15	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE:HUMGS08195 SEQUENCE DESCRIPTION:
	GATCACCCAG ATGCAGTGAA GCTTTTNACC CGCCAGCTTT TGGAACTCCA TCAGGGACAA 60
20	GGCCTAGATA TTTACTGGAG GGCTAATTAC ACTTGTCCCA CTGAAGAAGA ATATAAAGCT 120
	ATGGTGCTGC AGAAAACAGG TGGACTGTTT GGATTAGCAG TAGGTCTCAT GCAGTTGTTC 180
	TCTGATTACA AAGAAGNTTT AAAACCGCAA A 211
25	SEQ ID NO:6961
	SEQUENCE LENGTH: 208
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
30	CLONE: HUMGS08196
00	SEQUENCE DESCRIPTION: GATCATTGTA GATGAACTGA AGCAAGAAGT TATCAGTACC AGCAGCAAGG CAGANCONCC 60
	GATCATTGTA GATGAACTGA AGCAAGAAGT TATCAGTACC AGCAGCAAGG CAGANCCNCC 60 CCAGTGCACC TCCCTGGCCT GGTCTGNTGA TGGCCAGACT CTGTTTGCTG GCTACACGGA 120
	CAACCTGGTG CGAGTGTGGC AGGTGACCAT TGGCACACGC TCGAAGTTTN TGGCAGAGCT 180
	TTNCAACTAA ANAANAANCT GGCATAAA 208
35	•
	SEQ ID NO:6962
	SEQUENCE LENGTH: 165
	SEQUENCE TYPE: nucleic acid
40	TOPOLOGY: linear
	CLONE: HUNGSO8197
	SEQUENCE DESCRIPTION:
	GATCCCAGCC CCTAGGTGGG CAGAGGCAGA CCCTCCCCAG AGCTCCTTAG GAAGAAGACA 60
45	GACTGGTTCA TTGAATGCCG CCTTATTTAT TTCTGGTGAG GATGCATGCG TGGGGCTGCT 120
	GGTGTTTAGA GTGGGGGCTA CCCTTNTAAA TCACTGCTAC TCAAA 165
	SEQ ID NO:6963
	SEQUENCE LENGTH: 280
50	SEQUENCE TYPE:nucleic acid

5	TOPOLOGY:linear CLONE:HUNGS08198 SEQUENCE DESCRIPTION: GATCACTCTN GGTCAGCTNC TCTTTCTTTA TCTNTCTTTC TCCTTTTTTA AGAAAACGAG TTAAGTTTAA CAGTTTTGCA TTACAGGCTT GTGATTCATG CTTACTGTAA AGTGGAAGTT GANCTTATTT TAAAACTTCA AGCTCAGTAA TTTTGAACAC TGNAACATTC ATCTAGGNCA TAATAACAAA GTTCAGTATT GACCATAACT GTTAAAACAA TTTTAAGCTT TCCTCAAGTT AGTTNTGTTG TAGGNGTGTA CCTAAGCAGG TAAGCGTANA	120
	SEQ ID NO:6964	
15	SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS08199	
	SEQUENCE DESCRIPTION:	٠,
	TOTAL TOTAL TOTAL TOTAL MANUFALLAC ACANCACAAA A	51
20	SEQ ID NO:6965 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE: HUMGSO8200 SEQUENCE DESCRIPTION:	
	GATCTTGGAG CTTCCCTGTA GCCCACCTTC CCCGTGCTTC ATGTTTGTAG AGGAACCTTG TGCCGGCCAG GCCCAGTTTC CTTGTGTAT ACACTAATGT ATTTGCTTTT TTTGGAAATA	60 120
30	GAGAAAATCA ATAAATTGCT AGTGTTTCTT TGAAA	155
	SEQ ID NO:6966 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear CLONE:HUMGS08201 SEQUENCE DESCRIPTION: GATCCAGCAT TGGGGCCACT ACACTCCAGC CTGGACCACG GAGCGAGACT GTCTCAAA	58
40	SEQ ID NO:6967	
	SEQUENCE LENGTH: 111 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear	
45	CLONE: HUNGSO8202 SEQUENCE DESCRIPTION: GATCAGGCTT CAGGATAGCC CAGCACTGAG GACATCTAAA ACAGTCTTCA TTTATTTATT	60
	TITTETELT ICTETELL ICTETELL ICTETELL	111
50	SEQ ID NO:6968	

5	SEQUENCE LENGTH: 39 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08203 SEQUENCE DESCRIPTION: GATCATGACA AAGAAGATTA AAATTTCATT AGCATGAAA	39
10	SEQ ID NO:6969 SEQUENCE LENGTH:90	33
15	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08204 SEQUENCE DESCRIPTION:	
15	GATCAATTGT ACCCCATACC TCAGCATCAT GCAATATAAC CATTAAGAGA CCTGCACATG TATTCCCTGA ATTTAAAATA AAAGTTGAAA	60 90
20	SEQ ID NO:6970 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS08205 SEQUENCE DESCRIPTION: GATCATTGCA GTCTCTGGCT TTTTNACTCC AGGCGGGCTC CGTGCCCTCC GGGGCCTCTT	
30	CTTCCTTGTN AGGCCAGTGG GAGCCACAGA GGCCTCATTG GCTTCCTATG AATATNAAAT GGGATTCTCT GTGGGGGAAG CTTCCATAAG GCAGGAAGGG GTCCCCGGTT GTTGGCTATN AGTGTTATTT NCTTTTAAAT CATCTGTGCT CCTTCAAAGA CGACGTAAGA AGCTTGTGCC CTGGCGTTGC AGAAATCTCT GGCTGTAGGG ATTAAACCTA CATGTCTTCC TGATGGGGTG GTGAGGACGT AAACN	180 240
35	SEQ ID NO:6971 SEQUENCE LENGTH:262 SEQUENCE TYPE:nucleic acid	313
40	TOPOLOGY:linear CLONE:HUMGS08206 SEQUENCE DESCRIPTION:	
	GATCACCTGA GGTCAGGAGT TCACGACCAG CCTGGCCAAC ATGGTGAAAC CCTTCTCTAC TGAAAATACA AAAATTAGCC AGGTGTGGTG GCGCATACCT GTAGTCCCAG CTACTTGGGA GGCTGNGGCA GGNGAATCAC TTGAACTCGG GAGGCGAAGG TTGCAGTGAG CCGAGATTTC ACCAGTGCAC TCCAGCCTGG GTGACAGAGC AAGACTCCAT CTCAAAAAAA ANNTAATTAN	180
45	AAAAAATTGC AGCTGCNGGA AA SEQ ID NO:6972 SEQUENCE LENGTH:118	262
50	SEQUENCE TYPE:nucleic acid	

5	CLONE:HUNGS08207 SEQUENCE DESCRIPTION: GATCTTGCAG GTCTAGTATT TNAATAATGC ACTATTACCC AGGGCAGNTA TTATGAGAAA 60 CTGTTTCTNC TCTAAGGGTT TATGGCAGAC TTTGCTTTTT NAACATGTGA GANATGAN 118
10	SEQ ID NO:6973 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08208
15	SEQUENCE DESCRIPTION: GATCTGAGTA TTCCCCAAGG GCACTCAGCC ACAGGGNTGA ACTAGTGTTT GTTTGTATCC 60 TTGCAGTTAT GTGACTTAAA GTGACTCAGA GATATCTATG TATGCNNGTG TACTCCGCTG 120 GCAATGAAGT AAATATTCA ATTTGTGGNA AA 152
20	SEQ ID NO:6974 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08209
25	SEQUENCE DESCRIPTION: GATCCTCCTG CTTTGGCCTC CCAAAATGCT GGGNTTATAG GCATGAGCCG CTGCACTTGG 60 CCTGNTACTG ATTTTAATNN CTTGCGTTAT CACATAGTGT TGTATTTGAA ACATAGTTCA 120 TGGTTTTATC AAAGAACTGA AGNTGAGAAT ACTGGTCATC TAACTTTGTA ATTTGATTTG
30	GTATTTNTTG ACCTCTTACT GATTCATTGT TGGTNTGTNC AAACTGTTGA CTNGNTN 297
35	SEQ ID NO:6975 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8210 SEQUENCE DESCRIPTION:
40	GATCCTGTCA CCCAGGTAGT GAGTATAGCA CCCAGTGAAA CTGTAGTCTC ATNCCAGGCA 60 CTGTGCTAGC CCACTCTGGG TCATTTAATC CTCTCCTAAG AAGAGAGGAG ACACAGCGTC 120 CCCATTTGAC AGATGCAGAA AGAGGTTCCA CAGGTGTGCN TTGATTCTNT CCTAAAACCG 180 TTTCCCGGAA GCTTTTCCTG GTGTGGGCGC TTCTAACCTA ATCCTCAATC GNTTCCAGNA 240 CTATTACTCT GTTTCCACAG TGNTACTGTG TCTAGGTTTT ANGGGCGGCA AGTTCNATTT 300 N 301
45	SEQ ID NO:6976 SEQUENCE LENGTH:264 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE: HUNGSO8211

5	-	SEQUENCE DES GATCCTTCCG A CCAAGGCCCA C CACTCTGCTT C TCTTATCTGG T AAACAATTTT A	ACTTGGCCTC GGTTTCGACA GGCAGGGACC ITGTGCAAAA	GAAAGGGAGA TGTGTTCCCC GTCCCACAAC	GAAAACCTGC TCATGCAGGT	CAGAGATGCC TCATCCTTAG	ATTTCGGAGC AGGGCTGCGG	120 180
10	,	SEQ ID NO:69 SEQUENCE LEN SEQUENCE TYP TOPOLOGY:11n	NGTH:318 PE:nucleic	acid				
15		CLONE: HUMGSO SEQUENCE DES GATCAGAACT A GTCAAGACCC C GGCCTGATGN A GNAAAGCACT G	D8212 SCRIPTION: ACAATTACAA CTGCAAAGGG AGTGGGTGAA GGTCGTNAGG	GGGAGTCTCA GTTTTGGTAG GAGCTCCTNN	CCTTCTTCCT GCAATTTCTT CCTTGGCCCN	CGGCTTCCCG GCAACCACCA CACGCCTGTG	GGTGCAACCT CCGNGGCCCC CCAGCCCTGG	180 240
25	i.	NCCCGNCTGC C TTNCNACTGC A SEQ ID NO:69 SEQUENCE LEN SEQUENCE TYP	ATGTGCN 978 IGTH: 166		CTGGGGACNC	AGATTGTNTC	TCCTTNTTTC	300 318
30	^	TOPOLOGY: lin CLONE: HUMGSO SEQUENCE DES GATCATNCTG C CCTGCTGGGG C CCCTCNCTGT C	8213 CRIPTION: CCCATNTCC TCAGGGATG	TTAGGGACGA	GTTCCAGNCC	TGCCACTNCC	CTNGGGCGAC	
35		SEQ ID NO:69 SEQUENCE LEN SEQUENCE TYP TOPOLOGY:lin	GTH:105 E:nucleic ear	acid		·		
40	,	CLONE:HUMGSO SEQUENCE DES GATCCGATAC A TGTATTGGTG A	CRIPTION: GATTACATT					60 105
45		SEQ ID NO:69 SEQUENCE LEN SEQUENCE TYP TOPOLOGY:lin CLONE:HUMGSO	GTH:233 E:nucleic ear	acid				
50		SEQUENCE DES						

	GATCAGATAC ATGAACATGT C	CTTACATGGG	TTGCTGTATT	TAGAATTATA	AACATTTTC	60
	ATTATTGGAA AGTGTAACGN G					
	CACAGTTTTT ATAGTGTCTG T					
5	AAACTACCAT TAGCCAGTCT T	TTCTTACTGA	CANTAAATTA	TTAATAAANT	AAA	233
	SEQ ID NO:6981					
	SEQUENCE LENGTH: 72					
	SEQUENCE TYPE:nucleic a	ncid				
10	TOPOLOGY: linear					
	CLONE: HUMGS08216					
	SEQUENCE DESCRIPTION:					
	GATCTTTCCA GAGGTCCATG G	TGGAAGACG	ATAACCCTGT	GAAATACTTT	ATAAAATNTC	60
15	TTAATGTTCA AA					72
	SEQ ID NO:6982					
	SEQUENCE LENGTH: 58					
	SEQUENCE TYPE: nucleic a	cid				
20	TOPOLOGY: linear					
	CLONE: HUMGS08217					
	SEQUENCE DESCRIPTION:					
	GATCACCCÁT CTGTGTGCTT C	CATCCTGCA	TTAAAATTCA	CTCAGTGTGG	CCCAGAAA	58
25	SEQ ID NO:6983					
	SEQUENCE LENGTH: 280					
	SEQUENCE TYPE:nucleic ac	cid				
	TOPOLOGY: linear	CIU				
30	CLONE: HUMGS08218					
	SEQUENCE DESCRIPTION:					
	GATCTCCAAC AGCCAGTGTG TO	GTTTCCCAT (CTCTTGTAGG	TTCCATCAAT	GGTGAGCACC	60
	AGCCTGAATG CAGAAGCGCT CO	CAGTATCTC (CAAGGGTACC	TTCAGGCAGC	CAGTGTGACA	120
35	CTGCTTTAAA CTGCATTTTT C1					
	GCTTCTGAGC ACAGCTGCAT TA			TTTTGAACTT	GTCACGGATT	240
	CCATCTTGTA AAGGATATTA AA	ATGTTGCTT (TAACCTGAAA			280
	SEQ ID NO:6984					
40	SEQUENCE LENGTH: 311					
	SEQUENCE TYPE: nucleic ac	c i d				
	TOPOLOGY: linear					
	CLONE: HUMGS08219					
45	SEQUENCE DESCRIPTION:					
	GATCCAGAGA CTCGTGCTGT CT					
	CTTCAGCTTG GTGTAAAAAT TG AAGGAGGTTG AAAATTCACA GG					
	GCAAAGNNGN GATGGGAAAC CN					
50	CAAGACATTT GTAGCCTCAA AT					

	TATGTCAGGT N	311
5	SEQ ID NO:6985 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS08220 SEQUENCE DESCRIPTION: GATCTGATGG TTTTATAAAG GGGNGTTCTG CTGCATACAC TCTGTCTTGC CTGCTGNCAT GCAAGATGTG ACTTAGCTCC TCCTTTACCT TCCACCATGN TTGTNAGGCC TCCCCAGCCA TGTGGAACTG TGAGTTGANT AAACCTCTTT CCTTTATAAA	
15	SEQ ID NO:6986 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGS08221 SEQUENCE DESCRIPTION: GATCAAAAGA TAACTGCTTA TNATAGTAAG ATAACCTTGG AACAGAACTG TGATTAAAAA CCTGAATAAT AAAAAACACA CAAGACCCAT TAAAACCTAT TCCTCACTTT TTAAA	60 115
25	SEQ ID NO:6987 SEQUENCE LENGTH:331 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGSO8222 SEQUENCE DESCRIPTION: GATCCAGTTG GATATAGTAA CCACTGCCGA CTTNCTGGAT GTGCTAACTC ACACCAAGCC CTCCGNAAAG AATCTGGCTC AGAGATACTC AGACTGGCAA AGAGAATTCG AGTCTGTCTG	60
35	AAACCACATT TACCCTGACC TGGCCACAAA GGCAACCACA AAGACCTCCT AGTTTATTAN NGNNCGTGGG AGAACAAAAT GATTGGAATG GAAAAGAGAA AATTATTTTT GANGACTGGA TTAACTTGAG CCACTGTATT GTTTTGGNTA GCTGAGATAT ATTTNTTAAC TTTACCATTA TCGATGTCAG CAAAATATTG AGAGTTTCTT N	180 240
40	SEQ ID NO:6988 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE:HUMGS08223 SEQUENCE DESCRIPTION: GATCTACTCC CAGTTTTTAA CTTTTNACAG AATATTGTTG CTTTCCTACA ACAATGTACA TATATTTNCA GTTGTATATG CTTTTTTTT TNCCAAATAA AGTTTGAGTT CTAAACTCAA A	
50	SEQ ID NO:6989	-

	SEQUENCE LENGTH: 151					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS08224					
	SEQUENCE DESCRIPTION:					
	GATCCTTCCC TGGCTCTCAC	CTGCTCCTTT	AGGCTGTAAT	TGCTTCCTAC	ACACGAAGCC	60
	TCTGATTGGA GCCTCTGGTN					
	TTCTGAATAA ACACTACTGT			AdAdodordo	dullinidel	151
10	TICIUMIAM ACACIACIQI	IIACAIUUAA	A			191
	SEQ ID NO:6990					
	SEQUENCE LENGTH: 119					
	SEQUENCE TYPE:nucleic					
		aciu				
15	TOPOLOGY: linear					
	CLONE: HUMGS08225					
	SEQUENCE DESCRIPTION:					
	GATCTCCATA ATTTTAAGAT					60
20	ACGTCTGAAA TGCACGAGNG	TGGCGGTTTC	TGTTTCACTG	GTTTNNTTGT	TCATTTTTN	119
	000 th No coo.					
	SEQ ID NO:6991					
	SEQUENCE LENGTH: 116					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS08226					
	SEQUENCE DESCRIPTION:					
	GATCCCGGGC CGTTATCCAT					60
	CCCCTCACCA CTCACAGATT	CCTCACACTG	GGGAAATAAA	GCCATTTCAG	AGGAAA	116
30						
	SEQ ID NO:6992				•	
	SEQUENCE LENGTH: 207					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08227					
	SEQUENCE DESCRIPTION:					
	GATCCGCTGG GACAGAGTGC	CCACCGTCGT	GTCTTTNATA	TCTCTGTAAT	AACCCACAGT	60
	TAAAAAGGGC AGGAAAAGGC	ATCAGGGTAC	CATGTTATCA	GGCAAGTTCT	TACATTCTAA	120
40	GAAAATTCCT AGCTTTGTTG	GGTGAGGCAA	GTTTTTAAAN	GAANAATGTC	ACTTCCCCAT	180
	TTGATAANGA TTTCGTTATC	ANTTAAA				207
,	SEQ ID NO:6993					
45	SEQUENCE LENGTH: 325		•			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08228					
	SEQUENCE DESCRIPTION:					
50	GATCCTGATT GTAAGGTTTT	CCACCTATTT	CCCTGGATAT	TTTNNTGGTC	AGTACTGGCT	60

	CTGGTGGGTG TTCCTTGTTT TAGGCTTTCT CCTGTTTCTN AGAGGATTTA TCAATTATGC 120	
	AAAAGTTCGG AAGATGCCAG AAACTTTCTC AAATCTCCCC AGGACCAGAG TTCTCTTTAT 180	
_	TTATTAAAGA TGTTTTCTGG CAAAGGCCTT CCTGCATTTA TGAATTNTGG TCTCAAGCAG 240	
5	CAAGNGAACA CCTGCAGGAN GTGAATCAAG CTGCAGAACA CAGAGGNNTA CTCACCTGCT 300	
	TTAAAAAAAT ANAGTACTGT TGATN 325	
	SEQ ID NO:6994	
	SEQUENCE LENGTH: 130	
10	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08229	
	SEQUENCE DESCRIPTION:	
15	GATCCCTCGG GNNTTAANTA CANGAAACCT AGAACTGACC AAAAGGCATT ATAACTCTGA 60	
	CTCAAATACA AGGTACAGAA GATAAGCATC TTTGAGGAAA CTCCTACTTC AGTTCTTTTG 120	
	TTATNATGNN 130	
	SEQ ID NO:6995	
20	SEQUENCE LENGTH: 116	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08230	
25	SEQUENCE DESCRIPTION:	
	GATCATATAA CATTCCAGGT ACTCAGGATG AATGGTTTGA GGACTGGTCT GAATTCTTCA 60	
	AAGGTTTCAG CTGTATTAAC ATTCTCCATC TAATAAACTT TATCTTGTCA TTGAAA 116	
	·	
00	SEQ ID NO:6996	
30	SEQUENCE LENGTH: 33	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08232	
35	SEQUENCE DESCRIPTION:	
	GATCAGCAAA TAAATGAAAT TTATTAAAAG AAA 33	
•	SEQ ID NO:6997	
	SEQUENCE LENGTH: 246	
40	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS08233	
	SEQUENCE DESCRIPTION:	
45	GATCTTTAGG CAGTTTTTAC TTGGCCAGAA AGCAGTGCTG AATACTTGNA ACTGTGTGCT 60	
	CTGTTCTACT TAATGTTCTG TCAGAATGTT CTTTTGTAGG CAGTATGTCA TGNTGTAATC 120	
	ATCTATCTCC TNGTCTGTTT CCAAGTTNNN CTGTGAAGTC TGCGACCCTT TTGNGGTGGT 180	
	CATCANAGTC ACAGATTCCT TGTTTAACCA NGTGTCCCNA AGCATGTACC TGNAGTTATA 240	
	TCATNN 246	

5	SEQ ID NO:6998 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8234 SEQUENCE DESCRIPTION:	
10	GATCATTATG CAATAAAGCT GCTAAAGTCA CATTTGTGGT TGATACTCAA GCCTTGTACA AGCACATATC ATGTAGACAT TTTTAAATGT GAAGCTTTAA CAGGNATAGG ATAGCTGTTT 1 CAAACCTTGT GCAATTGTAA ATAANTTGTT TAGCTGTGTT TCTTTCATTT TTAATANAAA 1	120
15	SEQ ID NO:6999 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08235	
20	SEQUENCE DESCRIPTION: GATCTTCATA TTAATCTTAA AATTTTGTGA CGTGTCTTTT TCCTTTTTTT CCACAGTTTT AATATATATAT TCTTCAACGA CATTTTTTGT AACTTTACAC TTTTTTGGTT ATNTTATTTT 1	
25	SEQ ID NO:7000 SEQUENCE LENGTH:195 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear CLONE:HUMGSO8236 SEQUENCE DESCRIPTION: GATCTGGTAC GNGGNGGACG NCATGGCCCG AGATGCCCAC GGGAACACAG CGCTGACCTA	~~
35	CGCCCGNCAG GCCTCCAGCC AGGAGTGCAT CAACGTGCTT CTGCAGTACG GCTGCCCCGA 1: CGAGTGCGTG TAGTATCTGT TTTATTTNNC TGNAGTCTCC TTGGTGTAAA AACAAAATNG 1:	20
40	SEQ ID NO:7001 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8237	
45	SEQUENCE DESCRIPTION: GATCAGGCCC TAAAACGTTG TTGTGATGAG GTTTCTTTAG CAAGTTCTTG TTTAAATTAT (CATTTATTTG ATGAGTGAAG TTTTTAACAT GCTTTGCTGT GTGAAATTTA AAAAAGGGAT 12	60 20 63
50	SEQ ID NO:7002 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic acid	

5		238				
10	SEQ ID NO:700: SEQUENCE LENG SEQUENCE TYPE TOPOLOGY:line: CLONE:HUMGSO8:	TH:123 nucleic acid ar				
15		RIPTION: GTCTTATG TGGGCACGTT GAAGATGC TGTGAATATC				
20	SEQ ID NO:7004 SEQUENCE LENGT SEQUENCE TYPE: TOPOLOGY:lines CLONE:HUMGSO82	CH:260 nucleic acid				
2.0	GGATGATTGA AGA	LIPTION: LCCTCTTT GGNAAAGGAA LAACAGCT ATGAGAGGAT LGAATGAA CAAAGACCAA	TGGCTCCCAT	CTTTTGTNAC	TCTTGGGNCA	
30	GTTTGCTTGT NT	TNTNAAT GCTAATCCTT ATNCAAA				
35	SEQ ID NO:7005 SEQUENCE LENGT SEQUENCE TYPE: TOPOLOGY:lines CLONE:HUMGSO82 SEQUENCE DESCE	H:79 nucleic acid ar 41				
40	GATCTGTATT TN1 TAATCATTTT AA1	TATATACA CGTGTCCGNA TGGAAA	CAAGTATAAC	TAAATAAAA	TTAAAGNTTT	60 79
45	SEQ ID NO:7006 SEQUENCE LENGT SEQUENCE TYPE: TOPOLOGY:linea CLONE:HUMGSO82 SEQUENCE DESCE	H:59 nucleic acid .r .42	·			
50		CCAAGNA TGTGCCTTCA	ACTTTATAAT	TATAGTGTTG	TAAAATAAA	59

5	SEQ ID NO:7007 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08243	
10		60 67
15	SEQ ID NO:7008. SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08244 SEQUENCE DESCRIPTION:	
20	GATCAGTCTC TCAGTGCCTN CCTACTGGGC AGCTCATCTG TCCACTTATT CGTATTAAAT	60 76
20	SEQ ID NO:7009 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGSO8245 SEQUENCE DESCRIPTION: GATCCACATC CCANATGCTG AACCAGAGAG CCCCTCATCC CTCCTCCCAG TACTTAGGCA	
30	GCGCCTTCTG TGTGCACTGC CTCTTGCCGG GCACTGGGTA GGTGCACACG NGGACCGGGA 12	60 20 62
35	SEQ ID NO:7010 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08246 SEQUENCE DESCRIPTION:	
40	GATCGATTAA GTCTAGGAGT TTNAGACTTG CCTGGGCTTA GCAAGACCCT GTGGCAAA	58
45	SEQ ID NO:7011 SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08247 SEQUENCE DESCRIPTION:	
	GATCCTTGAG TCTCCNCTCT GGATGGAATC CGCGAGCTGG CCACCTGGCC ACCCTCTACA CCGACTCCACC CNNCCATGGC CGTGGGGCCC TTACTCTCTG ACTTCTCAGG ACACAGGTCA 12	60 20
50		

	TGGAGGTTCT TCCCAAGCTG CATCTGCCAA CTCCAGCATC					
	CTTATGTANT TAAAGGTTGA	ATGGCACATC	ATAAA			275
5						
10	SEQ ID NO:7012 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGSO8248 SEQUENCE DESCRIPTION: GATCAAGACC ACCCTGGCTA	ACACGGTGAA	ACCCTGTCTC	TACTAAAAAT	ACAAAAANTT	60
	AGCCGGGCAT GGTGGCACAC	GCCTGTACAT	CCCAGCTACT	CANGGNGGCT	NGTGGCATGG	120
15	NGNN					124
	SEQ ID NO:7013 SEQUENCE LENGTH:215 SEQUENCE TYPE:nucleic					
20	TOPOLOGY: linear CLONE: HUMGSO8249 SEQUENCE DESCRIPTION:	acid				
	GATCANGAGC CCTTTTNCTC	CAGTAGTACA	GGCTTTGAAA	ACTACTTCTA	TTAAGTTATT	60
25	GATGCAATTT GATATTTTTT	CATAATCTAT	ATTTAAACAA	AATTACATCA	TTGCATCATC	120
	TTTTCTAAAT TCATCTCCAT	TAAAACTTGC	CTTAAGCTAC	CAGNTTGCTT	TTGCCANNGN	180
	NGGCCATACT GTGTGTTTGT	TTGTTTAATN	NNCTN			215
	CEO ID NO GOLA					
30	SEQ ID NO:7014					
00	SEQUENCE LENGTH: 373	. ,				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
-	CLONE: HUMGS 08250					
35 .	SEQUENCE DESCRIPTION:	T 1 TTTCTC 1 T	C1 10001000	T CTCTC C	a	
	GATCTCTCAG GGATAGAAGA			·		60
	CCAATTCAAG TACAGATTTC CTGTGCAATT CAGATTGATA					
	GAAAATCCCA CTNNGTTTTT					
40						
40	CATAGAAATT GTATGATGAA					
	TTTTTTGTTG TTTTGTTATT	IACITATATA	CAIAIAANCI	IIINIIGAAA	AIAIGIIIIG	
	GTTACTAANA GTN					373
45	SEQ ID NO:7015					
45	SEQUENCE LENGTH: 219					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08251					
50	SEQUENCE DESCRIPTION:					

5	GATCCCAACC TGGACCCACT CATGAACCCT CACATCCGCG TGGGCCCCTC CTNAGCCCCN 60 TTGCTTGTGG CTAGGCCAGC CTAGGATGTG GNTTCTGTGG AGGAGAGGCG GGGTAATGGG 120 GAGGCTGAGG GCACCTNTNC ACTGCCCCTC TNCNTCAAGC CTAAGNCACT AAGACCCCAG 180 ACCNAAAGCC AAGTCCACCA GAGTGGCTGC AGGNCAGGN 219
10	SEQ ID NO:7016 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08252 SEQUENCE DESCRIPTION:
15	GATCGCTTGA ACCCATAAGC TGGAGACCAG CCTGTGCACA TGGTGAGACC CTGTCCCTAC 60 CAAAAAAAAT AAAGTCATTA GAGTTTTTAA A 91
20	SEQ ID NO:7017 SEQUENCE LENGTH:176 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08253 SEQUENCE DESCRIPTION:
25	GATCTGATGG TNTTATAAGG GGCTTCCCCC TTCACTCAGC TCTCATTNTT CTCTCTCCTG 60 CCACCATGTA AAGAAGGATG TGTTTGGTTT CCCTTCCATC ACGATTGTAA GTTTCCTGAG 120 GCCTCCTAAG CCATGTGGAA CTGTGAGTCA NTTAAATCTC TTTACTNTAT NNNGNN 176
30	SEQ ID NO:7018 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08254
35	SEQUENCE DESCRIPTION: GATCATCACT TACCCACCCC CCAAGTTCAA GACCAAATCT TCCAGCTGCC CNNTTCGTGT 60 TTCCCTGTGT TTGCTGTAGC TGGGCATGTC TCCAGGAACC AAGAAGCCCT CAGCCTGGTG 120 TAGTCTCCCT GACCCTTNTN AATTCCTTAA GTCTAAAGAT GATGAACTTC TAAA 174
40	SEQ ID NO:7019 SEQUENCE LENGTH:45 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08255
45	SEQUENCE DESCRIPTION: GATCCTCCCT TTCCTATAGN GNTAAAAGTG ATTTATCTTG GCAAA 45
50	SEQ ID NO:7020 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic acid

5	TOPOLOGY:linear CLONE:HUMGSO8256 SEQUENCE DESCRIPTION: GATCATGTGA TGTTGGAGTA GGAGGGTTTA TNTTGGTGAC TTTGGGATGC TGGTTTCATT 60 GTAGGTATAA TNATGNGGNG CAAAGAATCC AGGNAAGAAT TGCCAGAGN 109
10	SEQ ID NO:7021 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE:HUMGS08257 SEQUENCE DESCRIPTION: GATCCCACTG AGGCCAGAGA ATAGGGTCTG GAGACAAAGG AGCATTCACT TCAGCCTCTG 60 ACTGGTGGCA GGCCAAGTNT TTATTTACAT AGGGTGTAAC CAAATAGGAA ACCTCTAAAG 120
20	GGTACTTAAA CCCCAGATTT TNTACACAGG GCACTTGCTT GAGCCTCATC CCGCTTTCTG 180 GAATGTACTT TTGCTTCAAT AAATCTGTGC TTTTGTTCCT TCAAA 225
25	SEQ ID NO:7022 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08258
30	SEQUENCE DESCRIPTION: GATCTGGAGG GCGTGGCTAC AGGACCCGGG ATGCCATTCA GTTACTCATC TTTNATGCTT 60 TCGTCCTGAC CTGTCTCAAC TAGACTTGCT CCTGCAACCA CCATGGGGGT TTTGCATTTA 120 CATTTGTGGA CCATGTTACA GTTAAGAAAA ATCCTGTTTC AGTCCTTATA TGTAATAAAA 180 TGTTTTATGA TGTAAA 196
35	SEQ ID NO:7023 SEQUENCE LENGTH:170 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08259
40	SEQUENCE DESCRIPTION: GATCTNTCCT CCGCTTGAGA AGACCATGGA ACTGGATAGC TCACTTCCGG AATACAACAT 60 GTTTCCCCGC AAAGGCCGGG GNCTCCCTAG NTCAAATTTC CAATCTCATN AGCAGGTGNT 120 AGAAAGGTNT TGTGGTAGCA ACTNCATGAT TTCTCTGTGA CCAAAATNAN 170
45	SEQ ID NO:7024 SEQUENCE LENGTH:84 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08260
50	CLUME: NUMBSUGZEU SEQUENCE DESCRIPTION: GATCAAATGT AAATNITTTG AGGATATITT NCTTGTTTTT NAAAATCAAT TITTAACCAA 60

	ATATTAAACC CTTTATTTGC	CAAA				84
5	SEQ ID NO:7025 SEQUENCE LENGTH:246 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08261	acid				
15	SEQUENCE DESCRIPTION: GATCCACCAC TGGNCTCTCC TGACTGATGG ATGGGTAGTG GCCCTGCTAC TGCAGCTTTG AGGGTTGTGC CCAGCTGGGC CCCAAA	GGCTGAGAAG CCGCTGAGTG	AGGGGACTAG TAGGAAAAAC	GAAGGGCTAT AGGCATGACA	TCCAGGCTCA GACCAGGGTG	120 180
20	SEQ ID NO:7026 SEQUENCE LENGTH:45 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08262 SEQUENCE DESCRIPTION: GATCAGTCTT TATNAATAAA		TTTAATCAGC	TTAAA		45
25	SEQ ID NO:7027 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS08263 SEQUENCE DESCRIPTION: GATCAGACTG NTAACCTTAA AACATTAAAG TTCCAAAACA	TGACATTTTT	AAGAATAAAT	TTGAAATAGN	GTATGATTGA	120
35	ATGCAGAGNA TTATGTACCT GGNNCN	CTAATTGCTT	AATTTTGTAG	NGGTCTTTNA	TTGTAGAATT	180 186
40	SEQ ID NO:7028 SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08264 SEQUENCE DESCRIPTION.	acid				
45	SEQUENCE DESCRIPTION: GATCTCTTGG TAACAATTGA TGTTANTCTT TCAAGTAGTT GTCTTACTCT TGAGTCATTT AAAATCATGC TTTGACAATG TGACTNNTNN CNTTNTAAAG	GTAAATAATC AGTAGCATTG NAATTTACAT	TCTTTTTCTC ATATGGTACC ATTGCCTCAC	ATATAAACGG AAGTTGTATA	AATGCATAAT GCAGTGTAAC	120 180

5	SEQ ID NO:7029 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08265 SEQUENCE DESCRIPTION:	
10	GATCAAATCA GGGTAATTGG GTATCCATCA CCTCAAACAT TTACCATTTC TTTGTGTTGG GAACATTCCA TATCTTTTTT TCTAGCTGTT CTGAAATTTG CTATACGTTC TTTTAACTAA 1 AGGTCCCTTG CTGTGTTATG GAACACTGGA ATTTGTTCCT TCTGTTTAAC TGTATTTTTG 1	2(
	TACCTATTAA CCAACTTCTC TTTATCCTCC CCCGTCCTCT ACCCTTCCCC AGCCTGTGGG 2-AATCACCCAT NCTACTCTCT GCCTTTATGA GATTTACTTN TTTNATCTCC CNATATAANA 3	4(
15		
	SEQ ID NO:7030 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear CLONE: HUMGS08266 SEQUENCE DESCRIPTION:	
	GATCGTAGAA ACACAGAATG GGACTGGGGA AGCCCTTTGG AAATCCAGCT GCAGAAACAG (ACACCCCAAT GCTATTTACA TACAGCTCTA TATATATAAA AAAAGNAAAT ATGNAAA 11	
25	474 to us and	
	SEQ ID NO:7031	
	SEQUENCE LENGTH: 297	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE: HUMGS08267	
	SEQUENCE DESCRIPTION:	
	GATCTCACCA GGGCCCAGTC ATATATGCAC AGTTAGACCA CTCCGGCGGA CATCACAGTG 6	ናበ
	ACAAGATTAA CAAGTCAGAG TCTGTGGTGT ATGCGGATAT CCGAAAGANT TAAGNGAATA 12	
35	CCTAGAACAT ATCCTCAGCA AGAAACAAAA CCAAACTGGA CTCTCGTGCA GAAAATGTAG 18	
	CCCNTTACCA CATGTAGCCT TGGNGACCCA GGCAAGGACA AGTACACGTG TACTCACAGA 24	
	GGGAGNGNAA GNTGTGTACA AAGGNTATGT ATAANTNTTC TNTTTAGTCA TCCTATN 29	}7
	ORO, IN NO GOOD	
40	SEQ ID NO:7032	
	SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08268	
45	SEQUENCE DESCRIPTION:	
70	0.5000000 .000.0.000 .000	58
	SEO ID NO.7022	
	SEQ ID NO:7033 SEQUENCE LENGTH:103	
50	SEQUENCE TYPE:nucleic acid	
	ANGARRAN TITE WALLET OF A	

	TOPOLOGY:linear CLONE:HUMGS08269 SEQUENCE DESCRIPTION:	
5	GATCTATTTG GCCTCTCAAA TNAACTNAGA TTCCTGTTAA AAAAGATTGA TGTTATTGTC TCTTGTAGAG GAAACTAATA AAGTGTGTGT ACCTNTGTGN AAA	60 03
10	SEQ ID NO:7034 SEQUENCE LENGTH:265	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08270	
	SEQUENCE DESCRIPTION:	
15	GATCAAGAGT NATGGGCCTT GGAGCCCTTG CCAGCCCAGC CCACCTGTNA GGAGGCTGCC CATCCCTCT TTNAGGCCAC CCTGTGTCCT CTCCCCTGCC TCTGCCCAGA GCTCCAGCCG 12	60
	GAGTGTCTTG CTGCTCAGAC CCCTCCGAGG TCCAAGTCCT GTCCTGCCAC TCAGCTCCCN 18	
	CTGCACCCCA GAAGAAACGC AGGGTGCGGT TGCATTTGAT TTCAGATAAA CAACAACTTC 24	
	PRICE LINE VICENIACE CO. C.	35
20	•	
	SEQ ID NO:7035	
	SEQUENCE LENGTH: 46	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE:HUMGS08271 SEQUENCE DESCRIPTION:	
	CARGA ARGER GANGES AND ARREST AND ARREST AND ARREST AND ARREST ARREST AND ARREST ARRES	
	THIOMRET UNIGUARAN ATTICCARAR TRABATICIA CAURAR 4	16
30	SEQ ID NO:7036	
	SEQUENCE LENGTH: 254	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
35	CLONE: HUNGS08272	
	SEQUENCE DESCRIPTION:	
		0
	GCATGGGGAG TCTGTAACCA TGCTTTTNAC TTCCACTGCA TCTCTCGCTG GCTCAAAACA 12 CGACAGGTGT GTCCATTGGA CANCAGAGAG TGGGAATTCC AAAAGTATGG GCACTAGGAA 18	
40	AAGNCTTCTT CCATCAGGNG TTAATTGTTT TGTTATTCAT TTAATGGCTT TCCCTGCTGT 24	
	TACCTAATTA CATN 25	
	SEQ ID NO: 7037	
45	SEQUENCE LENGTH:222 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS08273	
	SEQUENCE DESCRIPTION:	
50	CATCATTCAC ANACTOTTC ANACTTTCTC ATCALCTCTA TATATATATCC COTCALLAT C	_

5	TCCTTTGGAA AAATNTATGT NCCTTTCATT TTGCCCAAAT TGCAAATTTT CAGCATGGNT GTGAAAAGCA TTAAAATTAT AACTTTGTGT ACANGATGAA AATAATTCAC TAAATTTGCC CTTTTTTACA CAAAATAAAA TGTTAANGTT ANNGCTGGNA AA	
10	SEQ ID NO:7038 SEQUENCE LENGTH:32 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08274 SEQUENCE DESCRIPTION:	
15	GATCAAATGA CANTAAATCA TTCAAAATCA AA SEQ ID NO:7039 SEQUENCE LENGTH:109	32
20	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08275 SEQUENCE DESCRIPTION:	
	GATCACCCAG GTACANCATG CTCTATATCC ATGCGGCCCT AGAAACCCAA GGAACATATA	60 109
25	SEQ ID NO:7040 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic acid	,
30	TOPOLOGY:linear CLONE:HUNGSO8276 SEQUENCE DESCRIPTION: GATCACAAAT TGGTGCATTC TTAACTGTGG ATAATTATGT ATGAAGCCAA ATTGTAATAA	60
35	AACTGTTATT TGCCAAACAT AGAANCCTTG CTTCGTGACT AGGCTGAGCC CAGAGTGTTA 1 TTCTCTTCTT CTGCCTGTNA TGTATCTGGG CAATTTGTAG GGCCTTTGCA GGTGAATCCA 1 GTAGAGAACC ATGCTAAGAN TGNGCAGCAG TCATGCATGC CTGTATCATT GAAAGCCTTC 2	120 180 240
	CTNGCCATTT TNNCAGCTTC ACCTTNCGTG GTTTTTATTT TTTCCAGAGG GGGCCTGGGG 3 N . SEQ ID NO:7041	300 301
40	SEQUENCE LENGTH: 151 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear	
45	CLONE:HUMGS08277 SEQUENCE DESCRIPTION: GATCCTCCTC CCTAAGCGCT TATCTTGGTG CTTCCAGCTC AGTCTGGCCA ATTCCACCTC TATGAGATAA GGAGGGTTCA GAGAACCCAG TCACTTTGCT GTTTTTCTGC NCACAGAGTT 1	120
50	TCTCTAATAA ATCTTATTCT ATGTCTACAA A SEQ ID NO:7042	151

5	SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08278	acid				
10	SEQUENCE DESCRIPTION: GATCACATTG TTTGACCCAG CTAAATATGG TGTGATATGA ANCTAATTCA CTAATAAA					60 120 138
15	SEQ ID NO:7043 SEQUENCE LENGTH:300 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS08279 SEQUENCE DESCRIPTION: GATCTGTCAA CAGGTTAAGT					
20	CTTGGTGGTC CCGAAACGGG TGTCTTGGGC AATCTNAGGC GGAGGTGGGT GGGGCCTTCT CCATCCCCTA CTCCCACTGN	CAGGNCAGAT GGGAAGGTGA	GTTGCCCCAC GTGGAGAGGG	CCACTGGAGA GCACCTGCCC	TGGTGCTGAG CCCGCCCTCC	180 240
25	SEQ ID NO:7044 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear CLONE: HUMGS08280 SEQUENCE DESCRIPTION:	actu				
	GATCTCATTC CATGGGAAAA AATAGAAATA AAGTGCACAN		TGTCTTGTTC	ATAAATTGAC	AATGTCACTA	60 90
35	SEQ ID NO:7045 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS08281 SEQUENCE DESCRIPTION: GATCTNAGTT AGACATCACC					
	CCCTGACTAT TCTCCCATCA ACCTTTCCTT TAGCATTAGA					120 175
45	SEQ ID NO:7046 SEQUENCE LENGTH:190 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS08282					

*	SEQUENCE DESCRIPTION:					
	GATCCTCAGG ACTGACCAGT	TAGCTGGCAG	GTTGTNCAGC	TTTTAATTCC	AGTCATAATA	60
	GGTGACAGTG TTAACCGTGA	AANTTTGNGA	GGCACTNTTG	NCCTCTTCCC	TATAAAAATC	120
5	ACACAAGCGT GNTTTTACAA	AGGGTCCCCG	TGGGAACCTT	NGCTTAAGGA	CCCTTTGNCC	180
	CNTCAGTTAN					190
	SEQ ID NO:7047					
	SEQUENCE LENGTH: 147					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	40.4		-		
	CLONE: HUMGS08283					
	SEQUENCE DESCRIPTION:					
15	GATCCTCAGG ACTGACCANT	TAACCTCCCA	GGTTGTCCCA	CCTTTTTAAT	CCCAGTCATA	60
15	ATAAGGTGAC CAGTTTTAAC					
			TINUAUUUUA	CITITOCCII	ITCCCTATINA	147
	AATNACACNG GGGGGTTTTA	NAAGGIN				141
	SEQ ID NO:7048					
20	SEQUENCE LENGTH: 223					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS 08284					
	SEQUENCE DESCRIPTION:					
25	GATCCATCTG CCCTCATAAA	ACTOTTCAGO	TACACCACCT	GAGGGTGCCC	TCACNAATCA	60
	AGGGGCCATT ACCAAGGGGC					
	TGACCCAAGA ACTACTCCAN				IUACITICCO	223
30	TTTGACTTCA CCCTGTTTGT	AAATAANCA	AUUNAUATUC	AAA		443
	SEQ ID NO:7049					
	SEQUENCE LENGTH: 56					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	acid				
35			•			
	CLONE: HUMGS 08285					
	SEQUENCE DESCRIPTION:	#C#G++#++	T000000110T	CCTTTCT 1 C	TCCLLA	56
	GATCTCCTCC CTNGTTTAAA	TGTCAATAAA	TGCCCCAACT	GCTTTGTAAG	IGUAAA	90
40	SEQ ID NO:7050					
	SEQUENCE LENGTH: 107					
		:4				
	SEQUENCE TYPE:nucleic	actu				
	TOPOLOGY: linear					
45	CLONE: HUMGS08286					
	SEQUENCE DESCRIPTION:	LOON LODGE:	CNOLLENGE	T0007****	TT1010T101	co
	GATCACCTTA AAATTATTTN				LIAUAUIAUA	
	AAATGTTTAG GTTAAAGAGC	ATCIGICAAC	AUAATUTAUA	MAAAAUN		107

55

50

SEQ ID NO:7051

	SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
5	CLONE: HUMGS08287	
	SEQUENCE DESCRIPTION: GATCCAATTN CATNNGCGGC TGCATCTNCT GCTCATGCCG CCCAAACACC ACCCAGATGT	60
	CACTTACGTC AAGAAGGTCC GGACCCTCCG TATGCACCTG TTCACGGCCC TGCAGCTGCT 1	
10	NTGNN	125
	SEQ ID NO:7052	
	SEQUENCE LENGTH: 276	
15	SEQUENCE TYPE:nucleic acid	
7.5	TOPOLOGY:linear CLONE:HUMGS08288	
	SEQUENCE DESCRIPTION:	
	GATCCAAGAA ACGNANGACA CAACAACAAC GATGCCGTGT GTCTGCTCTA CCTGGGCAAG	60
20	CTCAAGNACT CCCTGCGGCA GCTNGAGGCC ATGGTCCAGC AGGACCCCAG GCACTACCTG 1	.20
	CACGAGAGCG TGCTCTTCAA CCTGACCACC ATGTACGAGC TGGAGTCCTC ACGGNGCATG 1	
	CAGAAGAAAC AGGCCCTGCT GGNGGCTGTC GNCGGCAAGG NGGGGGCCAG CTTTAACACA 2 CAGTGCCTCA AGCTGGCCTA GCTGNNTNNN ACACAN 2	:40 :76
	CAUTOCOTCA AUGTOCOTA GOTGANTANA ACACAN	.70
25	SEQ ID NO:7053	
	SEQUENCE LENGTH:209	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS08289	
30	SEQUENCE DESCRIPTION:	
	GATCGAGTTT ACAGTTGTGN NNTCTTGAAG GTATTACTTA ACTTCACTAC AGCTTGTCTA	60
	GAAGACCTTT CTAGGNGTTA TCTGGTTCTA GAAGGGTCTA TACTTGTCCT TGTCTTTAAG 1	20
	CTATTTGACA ACTCTACGNG TTGTAGNAAA CTGCTAATAA TACAAATNCT TGTTGTCCAT 1	
35	GGNAAGGCAA ATAAATTTNC TACAGTGNN 2	:09
	SEQ ID NO:7054	
	SEQUENCE LENGTH: 126	
40	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear . CLONE:HUMGS08290	
	SEQUENCE DESCRIPTION:	
		60
45	GAAGCTTAAT GGAATTATNG CCCTCAGGAT AGTATTTTGT AAATAAAGNT GATTTAAATA 1	20
	TGNAAA 1	26
	SEQ ID NO:7055	
	SEQUENCE LENGTH: 276	
50	SEQUENCE TYPE: nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGS08291 SEQUENCE DESCRIPTION: GATCGCACCA TTGCACTCCC ACAAAACACA AAAACCTTTC TGTGTGTCAT TCCGTTGCGT TTAATATGTG GAAACCCCTC AGGGTGNGCA GCAGTGGTCA	TNAGTCCCAG GATGGGGTCA CATGCTTTCC	CATATGTGGA CAGAGCACAG AAAGCCTACA	GCAGCCTCAT ACCTGGTGCC	TCTTCATAGC CTTTTCCTTT	120 180 240
10	AUGUTUNUCA UCAGIUUTCA	GAGCICTIIN	CTANTN			276
15	SEQ ID NO:7056 SEQUENCE LENGTH:276 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08292 SEQUENCE DESCRIPTION:	acid				
	GATCTCCAGG AGTCCCCTGC					60
20	CCGTGACACC CGGTTTATTA CTTTAAGGAG CAAATCACTT					
	CTTCACAGAC TGAGTCTCCA					
	CAAANGNAAG CACAGATTGT			u i i i i i i i i i i i i i i i i i i i	MICITUTAÇA	276
25	SEQ ID NO:7057					
	SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acıa				
	CLONE: HUMGS08293					
30	SEQUENCE DESCRIPTION:					
	GATCCCTGTT ACCCAGAGAA	TANNTACATT	CTTTATCTTG	ACATTCAAGG	CATTTCTATC	60
	ACATATTTGA TAGTTGGTGT				GATGCTCAGG	120
	CTTGAAATGC ATTATTNNGA	ATGTGAAGTA	AATACTGTAC	CTTTAAA		167
35	CEO ID NO. ZOCO					
	SEQ ID NO:7058 SEQUENCE LENGTH:69					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS08294					
	SEQUENCE DESCRIPTION:					
	GATCACATAC CCTTCTTTTA	AGTGAATTTT	TTTCATTTGA	TTTGTCAATA	AACGAATCAA	60
	ACTGGNAAA					69
45	SEQ ID NO:7059					
	SEQUENCE LENGTH: 222					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
50	CLONE: HUMGS08295					

	SEQUENCE DESCRIPTION:					
	GATCTCCCTG CCTGGGCTGG	CTGTGAGGCC	ACCTTTGTCC	CAGGCCCAGC	CTCAAGGCAA	60
	GGAGGGCGCT TCACTGAGGT	GTGAATTGTA	CGTACAGGCT	TTTTATATAC	CAAAAGTATT	120
5	TTTTGACTAG ACCATTCAAA	GCTACCCGAA	CTATGTTGGA	AATTTTTTT	TTCTCATTAA	180
3	AATACAGGCC CTTAGGCTCT	ATTTTTAATG	TATNAGTCGC	AN		222
	SEQ ID NO:7060					
	SEQUENCE LENGTH: 145					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08296					
	SEQUENCE DESCRIPTION:					
15	GATCAAAATA CCTGTTTATA	TATCTGTTAT	TTAAAGAAAA	ATTTTCCACA	GTGTTTTGTT	60
13	ATTTTCCAGC GTTTCTTAGN	ACATTTGGGN	ATTNCACTAA	AATATAGCTG	GGTGGATTGA	120
	AGTAAAGGGC AANTGCGTTT	GCAAA				145
	SEQ ID NO:7061					
20	SEQUENCE LENGTH: 20					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		•			
	CLONE: HUMGS08297					
25	SEQUENCE DESCRIPTION:					
25	GATCTTCCAA AACACACAAA					20
	SEQ ID NO:7062					
	SEQUENCE LENGTH: 227					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear				٠	
	CLONE: HUMGS08298					
	SEQUENCE DESCRIPTION:					
05	GATCAATCAA GAATAATTTT	AATTTTCTTT	${\tt TGTATTTGAA}$	ATGTAAATAG	TTTTCTTTTC	60
35	GATTAAAAAA ATTTCCTATA	ACTGCTAAAC	AGTTAAAANC	TTTAAAGTAG	TAAATGAGTT	120
	TATAGAAAGC ATGTATTCTT	${\tt GATTTTNGTG}$	CCTTGGTAAA	GTTGATAACT	ATTTATGAAT	180
	ATTTGACCAA ATTATTCCAG	CATCAGAATA	ATAAGCAAAA	TAACCNN		227
40	SEQ ID NO:7063					
	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		•			
45	CLONE: HUMGS08299					
70	SEQUENCE DESCRIPTION:					
	GATCACACCA CTGCATGCCA					
	AAAAAGTAAA AATTGCATGT					
	CAACTGTAAT TTCCTAGCAG		GTTTGAGAAT	CTCTTGACAC	TCTTCAAGTA	180
50	AATCCCTAAA TTACAACTTT	GACATCAAA				209

5	SEQ ID NO:7064 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08300 SEQUENCE DESCRIPTION:					
. 10	GATCGACTGA GCTCAAATTT TGGGACTTTA ATTTAAAACT GATTTGCAAA					
15	SEQ ID NO:7065 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08301	acid				
20	SEQUENCE DESCRIPTION: GATCTGGGCT TTAAAGCAGA CCTGGAACGG AGAAGGCAGC CTCCAGCTGC TGGAATCCTA TGGGCAGTGA AGATGAAGCC	TGACGGGGAT CCATCCCAGG	TGCCTTCCTC AGGCAGGNAC	AGCCGCAGCA AGCCAGGNNG	GCACCTGGGG	120
25	SEQ ID NO:7066 SEQUENCE LENGTH:260 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08302	acid				
30	SEQUENCE DESCRIPTION: GATCGGAGAC ATCCTGCTGT TAAGCTGAAA AAGAAGGACA TGACAACATC CGGGAATTCT	CGCAGGGCTT	TGGGGAGGAG	TCCAGGGAGC	CCAGCACAGG	120
35	GNACATCTTC ATGATGTTCT ACCAGGAACT CACTTTCCAN					
40	SEQ ID NO:7067 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08303	acid				
45	SEQUENCE DESCRIPTION: GATCGAAAGA AGNACATCAT CTGAAGTCAG TTATTCATCA AGNTATAATA AATAAAACCG	AGAATGCAAT	TAGNCTAATT			60 120 154
	SEQ ID NO:7068					

5	SEQUENCE LENGTH:29 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08304 SEQUENCE DESCRIPTION: GATCAATAAA ATGTGATTTT NCTGATAAA	29
10	SEQ ID NO:7069 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS08305 SEQUENCE DESCRIPTION: GATCGTCCCA TCACAGTGTT GTTAATGTTT GCTGTATTTA TTAATTTNCT TAAAGTGAAA TCTGAAAAAT GAAA	60 74
20	SEQ ID NO:7070 SEQUENCE LENGTH:264 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08306	
25	SEQUENCE DESCRIPTION: GATCTGGCTT CACAGACAGT TGACACATCT AAAAGAATCT TTGTTTCCAA CTGGACTGAC TCATTGAGAG GAAACCTTCA CTGCACCTCA CCAGTGCAGA CAGAAGACCT GGAGGCAGGA CGGGAGGCAT TTTATACTTC AGCACGATAT GGGCCCTGAC TTTTCATTTT CTACATGGAG	
30	ACATATTGCT GGAGGCTCAT CATCCTGAGG GGAGAAACAT GGATTTCATG GTTTTGCCAT AAAAGTATGC AACAAAGAGT TCCN	
35	SEQ ID NO:7071 SEQUENCE LENGTH:27 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08307 SEQUENCE DESCRIPTION:	
40	GATCANTAAA AAAAATAAAT AATTAAA	27
45	SEQ ID NO:7072 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8308 SEQUENCE DESCRIPTION:	
	GATCTNTTTT NTCTGGAGTC CTGGAGTTNC TTTCCTAAGG TTTAATATAA GCAAGCNCCA GAAAGAATGC TGACAGAAAA GGGACCCTAG CTGTGGTAGG AAGTGGCCCT CAGAGTCAAG	
50	GAGGCAGGAT GANTTTAAAT NCTNCATGTA GGGCATATTT TGGGGAGTNA TGGGN	

	SEQ ID NO:7073 SEQUENCE LENGTH:281	
5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08309 SEQUENCE DESCRIPTION:	
10	GATCGACTIT AAGTTGCTTC GGGTCTAGTA GAAATCCGGT TATTTCCAAG CCTGTNAAAT 60 GTGAAGTTCA AGAAAATTGA ATCCGTGTAT AGCAAAACCA TTTTTNCTCA CAATTTTTTA 120	
	ACCAATGAAC ATTGTGTGGG AAATTNATTC CATATGTTTT CAAGTCATTT ATGCAACTTG 180 AATAATTAAA ATATTCATTG GTAAGAGCTG CCTGATGTCT TTAAAGTCAG GAAATTGTCT 240 TATGCCAAAA GTAGACAANC TCAAACACCA AAAGGTCANN N 281)
15	SEQ ID NO:7074 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS08310 SEQUENCE DESCRIPTION: GATCATTTTT CTTGGAGGNT GGAGATTGGC TAGTACCTCT GGCCTAACTG TGTAGGTCAA 60 TACTCTTTTA CATTGCCTTC TAATAAAAGC AGNATGATNC AGCAAA 106	
25	SEQ ID NO:7075 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08311	
30	SEQUENCE DESCRIPTION: GATCTTGTGT CTGTTGTGCC TGAATTTGGC GTGTCTAATA AAGGCCCATG CACACTATAG 60 GCACTCAAA 69	
35	SEQ ID NO:7076 SEQUENCE LENGTH:292 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08312	
40	SEQUENCE DESCRIPTION: GATCAGTGAA ATNTTAAACT CCCACGGTAA CATCATGCCT ATGGACATTA AAGGAATAGC 60	
45	AAGGACTTGC TCCCACGACT TCACATTTGC TCCCACTGGC CAGGAATGTG GGCTCTTAGT 120 GATTCCAGAT AAGGGCAAAG CTGGGGCCCA ATGTATGTAG CCAAATTGNA GNAATCATGG 180 NGCACAGGCA AATGGTGACA TGAATTTGTA ANCTGTGTTT ATGTGTTNTT ATATTTATAT 240 TTCTGANCTC AGTACATGTT AATATTTAAN TAATTATGCA GTAACTTTCA AA 292	
	SEQ ID NO:7077	
50	SEQUENCE LENGTH: 29	

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8313 SEQUENCE DESCRIPTION: GATCCTGCAC TCTAGCACAT GACTCCAAA	29
10	SEQ ID NO:7078 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08314 SEQUENCE DESCRIPTION:	
15	CARCOCHECE	30
20	CCAAGNCACC GCAGCTGCTG CCACTCTGCT GCCTGTACAG AAGGAANCTG NATCTTTTTN 30	
25 30	SEQ ID NO:7079 SEQUENCE LENGTH:245 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08315 SEQUENCE DESCRIPTION: GATCCCGTAA ATTGAAGGCA ACAAGGTCTT GGTCCTNCAG TAAGGGGGGC ATGGAGCCCT 6 GGTGGGAAGG AAAGAAGNGA AATTTGTGTT CCTGATTCCT TAATCCCCAN GAAAGGTCCC 12	i0
	TCTGCTAACA TTCACATATC TNTTCCTAGC CAAAGTCTGT CCATTTNAAC CCTNTAGCAT 18 CTGAGCTATC TGCATCCAGN TTTCAAANAT ATTTCGNTGT TTACTAACAT GTNTGTNAGC 24 CTNTN 24	0
35	SEQ ID NO:7080 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE: HUMGSO8316 SEQUENCE DESCRIPTION: GATCACAAAT NACTTGTTGA AATGTAAGGC AGTCCCCCTC CTCCTCTTTA TCTACATTAC 6	0 8
45	SEQ ID NO:7081 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUMGSOR317	

	SEQUENCE DESCRIPTION:					
	GATCAGGTCA CAGTGTGTAC	GTAAGAGTCA	GCTNCTTATG	GNTATTGTCA	TCTAGGTAAC	60
	TTTGTAAAAA AACAAACAAA	ACTGGCATTG	TTAATTCCAA	AAAGAAAAA	AAAAGCAGTA	120
5	AAAANAAANG GNCATTTGNA					149
	SEQ ID NO:7082					
	SEQUENCE LENGTH: 312					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08318					
	SEQUENCE DESCRIPTION:					
	GATCTCAGCC TCGGGTGGTC	AGGGTGGGAA	ATGATAGGAA	GAAGCTGTCA	TCTGCATCCT	60
15	AGTTTGCCTG AAATGAACCC	AAATAATACC	CATTATTATT	AGTCCTGAAT	TATGAGTAGT	120
	GAATGATACC CATCATTCTG	GCATCATGAT	GAGTAGTGTC	CACTTCCATT	CTGAAAAGTG	180
	CCCTGCTGTG AAAAATAAAT	TATATAGTCC	TCCTAGGTAA	ATGAAGGAGG	AGGGAGAAGT	240
	GTGAAAGAGT ATGGCTTAAA	TCAGACAAGA	TATACAAGAA	GATACTTTAT	ATAGGGCAGG	300
20	AGCGGTGGCT TN					312
20						
	SEQ ID NO:7083					
•	SEQUENCE LENGTH:87					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS08319					
	SEQUENCE DESCRIPTION:					
	GATCTGGGAA ACTGATTGAA	TAATACACTT	TTCTTGCTTT	GGTGCTCAAA	GTGGTTTTTT	60
20	TCCCCCAATA AAATTATTTA	ATTGAAA				87
30						
	SEQ ID NO:7084					
	SEQUENCE LENGTH: 312					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08320					
	SEQUENCE DESCRIPTION:					
	GATCAGGAAA TGCATCTNCG	-				
40	TATAAATNAN GCCATAACAG					
70	AGATTATATA ATANGACCTT					
	GCAAGTTTTT TTGGGGGGTG					
	GTGANCTTTG GAGAGGGGAC	AGTTGTTGGC	TCTGGTATTT	CCTAGTTTTG	TAGTAACGTT	
	TTGCTAGCCN NN					312
45	GPO ID NO GOOG					
	SEQ ID NO: 7085		•			
	SEQUENCE LENGTH: 168					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
••	CLONE: HUMGS08321					

5	GCCATCCGCT	TTTTAAAAAG TAAGATGTGA	GGGTGTCTCC CCTGCTCCTC ATCGAATTAA	CTTGCCTTCC	GCCGCGATTG		
10	SEQ ID NO:7 SEQUENCE LE SEQUENCE TY TOPOLOGY:1i CLONE:HUMGS	CNGTH: 146 PE: nucleic near 08322	acid				
15	SEQUENCE DE GATCCATGTG ACTGATGACA TTATAATTAT	TTTTACTCTA CAACAGAAAA	GAAACTGTAG				60 120 146
20	SEQ ID NO:7 SEQUENCE LE SEQUENCE TY TOPOLOGY:1i CLONE:HUMGS	NGTH:314 PE:nucleic near 08323	acid				
25	SEQUENCE DE GATCAATAAA CTTTCCACTA TGTGTGGAAA AGTCGGTCGT	GCTGTCCTAC CGTTGAAGAA GCTGACCGTT	GAAAACCTAT TTAAGAAGTG	TTTTAAATGT GCATGTGCCT	AAATAAAATA TGAAAGGGGG	TCTGGTAGCC CAGAATGTTC	180
30	CCCTGTGGAC TGTGCAAGAT		GTATGTTGCT	ATAATCCTCC	AAATCAAAGC	TCTTTCTGCT	300 314
35	SEQ ID NO:7 SEQUENCE LE SEQUENCE TY TOPOLOGY:1i CLONE:HUMGS SEQUENCE DE GATCTTACTG CTACATGTAA	NGTH:71 PE:nucleic near 08324 SCRIPTION:		AATGAGGCAG	ATTTTTGAAT	TAAAGAAATG	60 71
45	SEQ ID NO:70 SEQUENCE LE SEQUENCE TY! TOPOLOGY:1i: CLONE:HUMGS SEQUENCE DE:	NGTH:412 PE:nucleic near 08325	acid				
50	GATCCTAACA AGGTCTTCCA						60 120

5	CTCTGTTCTG ATTCACCAGG GGCCACACGC CTGTTCCCAG TGGGGAAAGC GTGCGTGCGC CACACTTTGC AAAGCCACAG AGAAGAATAT TTTCTATTTN	CAAGTGCTGA GTTATTTATT CGTTTCTGGT	AACTCACTAG TAAGTGCGCC TTTGGGTGTA	ACCGTCTGCC TGTGTGCGCG CAGTCTTTGT	TGTTTCGAAA GGTGTGGGAG GTGCCTGGCG	240 300
10	SEQ ID NO:7090 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic	acid				
15	CLONE:HUMGS08326 SEQUENCE DESCRIPTION: GATCTATTTT TGGCTTATGT AGTAAAATCT AGCCCATTTG			CTCTGAATTT	TGAAATATGA	60 91
20	SEQ ID NO:7091 SEQUENCE LENGTH:294 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08327	acid				
25	SEQUENCE DESCRIPTION: GATCTCAAGA GTTCAAGACC CAAAAATTAG CTGTGCATGG TCCGAGAATC ACTTGAATGC ATCACTGCGC TCCAGCCTGG	TGGCCCACGG TTGAACTCGG	CTGTAATCCC GAGGCAGAAG	AGCTACTCAG TTGCTGTGAG	GAAGCTGAGG CCGAGATGGC	180
30	NGAAAAAAA AAGGTTGTTN					294
35	SEQ ID NO:7092 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8328 SEQUENCE DESCRIPTION:	acid .				
40	GATCATGTTT TGAAGCAGCA TAAATCTGTT TGGAGGAAA	GGTCCAGGTC	ACTTTGTATA	TAGAATTTTG	CTGTATTCAA	60 79
45	SEQ ID NO:7093 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS08329 SEQUENCE DESCRIPTION:					
50	GATCTTTCCC TAGAGAATGT GGTTAATNAT GTTTATTTTA AA				GTAACTGTTA	60 120 122

5	SEQ ID NO:7094 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08330 SEQUENCE DESCRIPTION: GATCTTAAAC TCTTTGATTA AAAATAATAA ATGGAAATGT GTTAAGCAAA		50
	SEQ ID NO:7095 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		
15	CLONE:HUMGS08331 SEQUENCE DESCRIPTION: GATCCAGGGA TTTGGGGAAA AGGAAGGAAT TTGATGTTTT TTGGGGTGGG A	AGGGGAGGGT	60 77
25	SEQ ID NO:7096 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08332		
30	SEQUENCE DESCRIPTION: GATCGCTGGC CTTCCTGACT TAACATTNAT GCATGCCAAG GTGTTGATGT T GTTAACACCT TCCACAAGNT CTCAAGAAAA AGCAGACGGA TAACTGATGT G GTTTCTATTG CTTTTCCTTT TTTCCATCCC TTCCCTACCA TCAAAAGCAT A ATTAAA	GAATTGGACA	
35	SEQ ID NO:7097 SEQUENCE LENGTH:291 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		100
40	CLONE:HUMGS08333 SEQUENCE DESCRIPTION: GATCATATAC TCTGCTGTGG TCATGCCCAC TCTTTGGGAG TATATTCCCT T TGAGTATTGT ACCACTTGAG AAATTCCTTT GTTCTGTTAT ACAAAATTAA T CATAATGATT GATGATACCA CCAGTAAAAA TAGGATGTTT ACCCCAAAAC A TAAGAATTG AACACAACCA CATTTTTTAA AATGAAACTT CTATCGGAAG T TGNGGTAATA AAGTCCAGTA TTNGGNNAAA TGTACAATGT TAAATCTCAA A	CTTTCTGCT LAGTGTCAAT	180 240
45	SEQ ID NO:7098 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	•	291
50			

5	CLONE: HUMGS08334 SEQUENCE DESCRIPTION GATCAGACTT TTGTNTC GAGCCCAGCC AGTCATG	TTG GGTCCCAGAT	TCTCCACACA	CCAGCAAGTA	GAACCCAAGT	120
	GTANNNNAT AAATATT					
	CAGGAATGTT GAAAATG					
	CACAAAAGTA AATAAGTA	TT TCATATAATT	CAGAGGATGT	TTAAATTGTC	AGCATTTTAA	
10	TAAATAN					307
	ana in ua gasa					
	SEQ ID NO:7099					
	SEQUENCE LENGTH: 199					
	SEQUENCE TYPE:nucle	elc acld				
15	TOPOLOGY: linear					
	CLONE: HUMGS 08335 SEQUENCE DESCRIPTION	M.				
	GATCTGTACT TTGAACAA		CACACCCCTC	CCACTCACCC	CTLCCCCLTL	co
	CAATACTCTG AAGCAGAA					60
20	GACGTAATCG GCTTTTGG					
	TTAAAGTGCT GCAAATAA		TIACCACATO	INIICAUCAI	ATATACACGA	199
	TIAAAGIGE GCAAATAA	л				133
	SEQ ID NO:7100					
25	SEQUENCE LENGTH: 297					
25	SEQUENCE TYPE:nucle					
	TOPOLOGY: linear					
	CLONE: HUMGS08336					
	SEQUENCE DESCRIPTION	N:				
30	GATCTGGGAG TGGCTTCC	TA ACGGAAATGG	AACAGGATTA	CCAACTAGTN	GACGAAAGTA	60
	ATGCTTTCCA TGACAACC					
	TGGGTCAACA TGGATTAG	AA GAGGATTTNA	TGTTATAAAA	GAGGATTTTC	CCACCTTGAC	180
	ACCAGGCAAT GTAGTTAG	CA TATTTANNGT	ACCATGGTTA	TATGATTAAT	CTTGGGACAA	240
35	AGAATTTNAT AGAAATTT	TT AAACATCTGA	AAAAGAAGCT	TAAGTTTTAT	CATCCTN	297
	SEQ ID NO:7101					
	SEQUENCE LENGTH: 296					
	SEQUENCE TYPE: nucle	ic acid				
40	TOPOLOGY:linear					
	CLONE: HUNGS 08337					
	SEQUENCE DESCRIPTION	N:				
	GATCTTTGTC TGTGAAGA			-		60
45	ACAGAAGGCA TTGTTTT1	TC CTTTTTNATT	TTTTGTATTA	TATATTTNCC	TTAAATATGT	120
	TTTATTGTCT TCTCTANG					
	TTTCATTAGT GAAGACAT					
	AGAAATGGCA TATGGTTT	TG ATGATATGNC	CACCATCCAA	AATGTCCGAN	TNAATN	296

55

50

SEQ ID NO:7102

	SEQUENCE LENGTH: 305					
	SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	aciu				
5	CLONE: HUMGS08338					
-	SEQUENCE DESCRIPTION:					
	GATCAACTTT AAGAAGATTT	ACA A A A CCCT	CAACAACAN	C + CC + T + T C C	N. CTNTTOOO	
•	CGTGCAGACA AAATACATGG					
10	GAAATCTGAG TATCGGAACT					
	AGCTGCCCTG GAGATTGAGC					
	AGAAGAACGT CGGNGACAAA	AGCAGATGGN	GGITCINGAA	GAAGGAGCTG	CGNCNCCTGC	
	TTNTN					305
15	CEO IN NO.7102					
15	SEQ ID NO:7103 SEQUENCE LENGTH:414					
•						
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					•
20	CLONE: HUMGS08339					
	SEQUENCE DESCRIPTION:					
	GATCCACAAG TCCTTGTTCC					60
	TATTAGCCAC CATCTNACCT					
	TTTTCATCAT AACATAAATN					
25	ATTTATTTAA GCATCAAATA					
	TTGANTAGTT ATAAAGATGT					
	TATTAGGATA AATTTCAATC					
	GTTAANTTTC CATTTCAGAT	ANCCACCANN	TAGTTTCNNN	GTNTAGGTCC	ATTN	414
30	SEQ ID NO:7104					
•	SEQUENCE LENGTH: 252					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS 08340					
35	SEQUENCE DESCRIPTION:					
		CC L COTOGO L	00.00.000	COMMONALA	070000000000000000000000000000000000000	00
	GATCCCCTGA CTGGCTGGGG					60
	CGCCTCCTCC TAACATGGCG					
40	CGGTTAAGGT GACCACATAC					
	CCCCTCCCCA AGAGCGGGTG CCCATTNAAG TN	T T D D D D D D D D D D	NAANAIGITI	GGCCTGNNTA	AGTGGGCCTT	
	CCCATINAAG IN					252
	SEQ ID NO:7105					
	SEQUENCE LENGTH: 318					
45	SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acia				
	CLONE: HUMGS08341					
	SEQUENCE DESCRIPTION:					
50	GATCTTATTT TTTAATTTTA	AGTGCCACTA	TTAATCTAAA	AAGGGGGGCC	CTCTACACCA	60

	GTCGTGATGA AACTTAAATA T	TATATCCTTT	GTCCTCGAGA	TTTTAGGAAG	GGTGTAGGGT	120
	GAGTAGGCCA TTTTNAATTN C	CTGAAGTGCT	AAGTGTTTTT	ATACAGCAAA	CAAAAAGTCA	180
	ATTTTCCTTT CCACCAGTGC G	GAGAGAGGAT	GTATACTTTN	CAAGAGAGAT	GATTGCCTAT	240
5	TTNCCGTTTG ACAGAGTCCC G	TAGATGAGC	AATGGGGAAC	TGGTTGCCAG	GGTCTAANTT	300
	TGGATTGATT TATGCACN					318
				•		
	SEQ ID NO:7106					
10	SEQUENCE LENGTH: 299					
,,,	SEQUENCE TYPE:nucleic a	icid				
	TOPOLOGY: linear					
	CLONE: HUMGS08342					
	SEQUENCE DESCRIPTION:					
15	GATCTGTGAC CCCAGCCATG A	GGACCCTCG	CCATCCTTGC	TGCCATTCTC	CTGGTGGCCC	60
	TGCAGGCCCA GGCTGAGCCA C					120
,	AGATTGCAGC GGACATCCCA G					
	CAAAGCATCC AGGCTCAAGG A	AAAACATGG	CCTGCTATTG	CAGAATACCA	GCGTGCATTG	240
	CAGGAGAACG TCGCTATGGA A					
20						
	SEQ ID NO:7107					
	SEQUENCE LENGTH: 302					
	SEQUENCE TYPE: nucleic a	.cid				
25	TOPOLOGY: linear					
	CLONE: HUMGS08343					
	SEQUENCE DESCRIPTION:					
	GATCTTAGAG GTTGAAGCCC A	CCTTCTCTT	TTCACATAGG	AGGGAACAGA	CCATGGAAAT	60
	TTAAACGACT TCCTCACGGT C	ACAGAACTA	GTTTTTTAAT	CCTCAGGCAG	TGNATCCCCC	120
30	CACCCTACAA CTGTGCACAA C	CTCTTTCCC	CACAGTGCAA	TTCAGAATAT	GCTCAGGGAA	180
	TGCCAGGCAC CTTGTAAAAC TO	GCTGGGAGA	AAAGCATGNT	TCCCACAAGG	ACTAAGTATC	240
	AGTGATTTGT AATTTTCCTG T	TTTGTATTA	TCTGCTTTGC	TGATGTAGAC	AAGAGTTAAC	300
	TN			•		302
35						
	SEQ ID NO:7108					
	SEQUENCE LENGTH: 110					
	SEQUENCE TYPE: nucleic ac	cid				
	TOPOLOGY: linear					
40	CLONE: HUMGS08344					
	SEQUENCE DESCRIPTION:					
	GATCNAACTG TCTCACTGCT T	TTCCAACTA	TAATCATNTC	GCTCTNACTT	TAACAAAAGG	60
	CGATGGCACA GTAATTTAGT AA	AATTTNTGT	AATAACATNT	AAAAAAAAGN		110
45						
	SEQ ID NO:7109					
	SEQUENCE LENGTH: 121					
	SEQUENCE TYPE:nucleic ac	cid				
	TOPOLOGY: linear					
50	CLONE: HUNGS 08345					
	•					

5 ,	SEQUENCE DESCRIPTION: GATCCTGTCT AAAAAAGAAA CCAGAACCTG CTACAGTGTA A					
10 .	SEQ ID NO:7110 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8346 SEQUENCE DESCRIPTION:	acid				
15	GATCATCAGT AAATTTGTCA GCTCTTAAAT ATATTAAAAA			ATAAATCAAG	ACTTCTGTGT	60 99
	SEQ ID NO:7111 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS08347 SEQUENCE DESCRIPTION:					
25	GATCCCAGNA GGAGGGAAGA ATGTATAAAA AAGTTGCATT			CAGTAAAAA	AAAAAAATA	60 92
30	SEQ ID NO:7112 SEQUENCE LENGTH:304 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8348	acid				
35	SEQUENCE DESCRIPTION: GATCATTCTN GTTGATACCC TNAATCATGT CTNATTAATG ACAACTTGTG CTTGCATATT TNTTTAAAGT TGATATCTNA AGGGGGGCTG TAAATATTGA	GACTGGCTGT CTTTCCCAAA ATNTNTCATT	TTTCACATAT ATATTGAAAG GTAGTNGCAA	TNGATATATC TCCATATATT AGCATGTAAT	AAGTGTCTTC TCCTTGTACA TNCTTGGGGG	180 240
40	AGGN					304
45	SEQ ID NO:7113 SEQUENCE LENGTH:309 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8349 SEQUENCE DESCRIPTION:	acid			·	
	GATCAAATTT CACGTCGTCT AAGTCTACGC TCTNCTTTCT					
50	AAGAGTCCTA TTTCCACTCT					

	CTTCAGCCTC CCNACCTTCT AGCATCTCAT GAGTGCCAAG AGTTTGNNN					
5	SEQ ID NO:7114 SEQUENCE LENGTH:282					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08350 SEQUENCE DESCRIPTION:	acid				
15	GATCTTCCCC AGCTATGAAG AGAAAGGGAA GAAATAGCCT TCCTGGGAGT CGGGAGACAC AGAAGGCAGT AATGCAAGAG TTAAGTAGTT CTTTTATAAA	TACAGCCCCT CGTGGAGTCC TCCTTTTGTG	GTTCCTCCAA TTACATCCAC AAGAGTGTTT	GTGCACATTT AGTGTCTGCT CTATGTAGAG	AGCCTTAAAA GGTCGTGGTC	120 180
20	SEQ ID NO:7115 SEQUENCE LENGTH:27 SEQUENCE TYPE:nucleic		ICIARIUCA	AA.		202
25	TOPOLOGY:linear CLONE:HUMGS08351 SEQUENCE DESCRIPTION: GATCTGTTTT CTGTAACTTT	TGCTAAA				27
30	SEQ ID NO:7116 SEQUENCE LENGTH:251 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS08352 SEQUENCE DESCRIPTION: GATCTTAGGC TTCAGCTCTT GGAAAGGCAG CATCACAGAG CACAGCTTCT TCCTTGCTGT TTTCTTATCT CTAGGTTGAA	TGGGGAAATA GTGTTCTTTG	CAGGACTTGG GTAGGTCACT	CTTTAGGTTC AAATCTCTCT	TAGTCCTTAA GAGCCTCAAA	180
40	TGTGAGATAA A					251
45	SEQ ID NO:7117 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8353 SEQUENCE DESCRIPTION:	acid				
	GATCACGCCA CGGCACTCCA GTGAGGTTAA AAGGCTGTGT					60 120

5	SEQ ID NO:7118 SEQUENCE LENGTH:295 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08354 SEQUENCE DESCRIPTION:	acid				
10	GATCATTCAT CAACATGTGT AGACCAAGAA AAAGGAAATC TGTAAGGNAG AGGAAAGGGA TTTCACCACT CCAAACCTTA AAGGTTCGGG TTTAGTACAC	CCCCCTTTNA GATGCTTCCT TGGCGACTCA	ATGTATTCCT GTTTGANCTG CACACACATT	TGGTTTNAGG CAGTGAATTC CCTCTTTNCT	ACATGACTCC ACGGTTCCTG GTTACTGCCA	120 180
15	SEQ ID NO:7119 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS08355 SEQUENCE DESCRIPTION: GATCCCCAGG ATGCCCACTT CAACCAGGAA TCCACTCTCC AATCATATAG TATGTAACCT	ATTTCTATAA GTTTTGAGCT	TGTTGNNATT	TCAAGAATGT	TATTCAATGG	180
25	GAAANTAAAA NTGGATATTG SEQ ID NO:7120	AAA				203
30	SEQUENCE LENGTH: 82 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08356 SEQUENCE DESCRIPTION:					
35	GATCCGTTAG TGTCTGTTTA TGAAGCAGAT TTGAAAAGCA		TATAAACTTA	CAGAAACAAA	TATAATAAAC	60 82
40	SEQ ID NO:7121 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS08357 SEQUENCE DESCRIPTION: GATCTTTTGC ATTGCAGAGA ACATTATTCT CACTGCAAA	TTTTATATAT	ATTTTGTTTG	TAATGAGCCA	TTCTCAATAA	60 79
-	SEQ ID NO:7122 SEQUENCE LENGTH:299 SEQUENCE TYPE:pucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS08358 SEQUENCE DESCRIPTION:					
5	GATCCCTAGT AAACTCCTTC		CTGTCAGATT	TACAAAGGTC	CTCCCATTGC	60
	AAAGCAGTGN NNNTCCTAAT	TTATATATTG	TTTTNCTAGT	TCATTTTGTG	TTTCCAACTT	120
	TTCATGTAAA ATTTTAATTA	TTTTTGAATG	TGTGGATGTG	AGACTGAGGT	GCCTTTTGGT	180
	ACTGAAATNC TTTTTCCATG	TACCTGAAGT	GTTACTTTTG	TGATATAGGA	AATCCTTGTA	240
	TATATACTTN ATTGGTCCCT	AGGCTTCCTA	TTTNGTNACC	TTGCTTNNNN	NGTGGCANN	299
-10						
	SEQ ID NO:7123					
	SEQUENCE LENGTH: 108					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUNGS08359					
	SEQUENCE DESCRIPTION:					
	GATCATGTGC CAAGGCTGCG	GTGCGTTCTG	TCACGATGAC	TGTATTGGAC	CCTCAAAGCT	60
	CTGTGTATTG TNCCTTGTGG	TGAGATAATA	AATTATGGCC	ATGGGAAA		108
20						
	SEQ ID NO:7124					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS08360					
	SEQUENCE DESCRIPTION:					
	GATCAGACTG TGCTTTCTAA	TTCTAAAAA	TTGAGCAGTG	TTGGTATTCT	TNCAGTATTT	60
	TTNCTCTCAC CTGGAAAACT	ACCTGGAAGT	TGTCAGGCAT	TTNCTTACTG	NNN	113
30						
	SEQ ID NO:7125					
	SEQUENCE LENGTH: 125					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08361					
	SEQUENCE DESCRIPTION:					
	GATCTCTAAG TAATTNTNCA					60
	TTCATCTGAC CCAGTTATAA	ATGAAAGANT	ATGGANTTAA	AAATTTTAAA	NCTAAATAAT	120
40	TTGNN					125
	SEQ ID NO:7126					
	SEQUENCE LENGTH: 122					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08362					
	SEQUENCE DESCRIPTION:					
	GATCATGCTC CATCCAGCCC					60
50	ATTGTAAACT AGTTTTTGGT	TTGCAGTTTT	TGTTGTTGTT	TATAGACACT	CTTGGGTGTA.	120

	AA			•		122
5	SEQ ID NO:7127 SEQUENCE LENGTH:256 SEQUENCE TYPE:nucleic a	ıcid				
10	TOPOLOGY: linear CLONE: HUMGS08363 SEQUENCE DESCRIPTION: GATCGGCACT CACGATTGTN A' GTTGGAACTT GCAATAACCA TO					60 120
15	ACCCGAAGTC TCAGCCTCCC CACCCAGGGCCTG GGGGATGGGA TACCTTAGGGTCT GGTAAA	ACGCAGTTC	AATAACATTT	ACTAAACAAA	ACAAGATGTG	180
20	SEQ ID NO:7128 SEQUENCE LENGTH:346 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS08364	cid				
25	SEQUENCE DESCRIPTION: GATCAACAGG GGTGAAAAGA AC AGNATTTTGT GTCTTTACTC CA GTAACTGTTT TNNAGCTGAG TT ATGGGGTGGG GTTGGGGTTG TT	ACCCTTCAC TGTATGGAT TTAGGGAGA	CCTAGTTCCA TAACTTCAGT AGCAGCCAGA	CCAAGGTTCA CCACTGTAAA CTTGCTTTGT	CACACCAGAT TACACCTGGG GAACTGAATG	180 240
30	TATTTTTATG CAATTTTGAG TG				GTTTTACTGG	300 346
35	SEQ ID NO:7129 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGSO8365 SEQUENCE DESCRIPTION:					
40	GATCGTGTCT CTGATAAAAG AA	ATAAAAGCT (GIIIAIIGCA	AA		42
45	SEQ ID NO:7130 SEQUENCE LENGTH:338 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUNGSO8366 SEQUENCE DESCRIPTION:	eid				
50	GATCTTAGGT CCCACTCANG GTGNCTTTTGTA CATGTTTGGT AGGTACATTTTT AACTCCCCTA ATAGTAAAGCCT CCTGGCACCA GGG	CCGTAGCA (CAAGTGATTG	GAGTAGAACA AAATCTAAGG	TGTCACTGCT GGGGGGGCTC	120 180

	TCCCCTTTTA CTCATGGCCC ACAGTAGAAT ATCCAAAACG CCTTGGCTTT CAGGCCTGGC 300 CTTTCCTACA GGGAGCTCAG TAACCTGGAC GGCTCTAN 338
5	SEQ ID NO:7131 SEQUENCE LENGTH:294 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear CLONE: HUMGS08367
10	SEQUENCE DESCRIPTION:
	GATCTTTTCA AGATGCATTC CAGATGAACT GCTAGGTGAG GGGGAAGCTT CATTTTTGTT 60
	ACCTGATAGA ATAGCTTTNC TNATGAGATA TATATAATGT GATACTATGT TTGGATATTT 120
	FIGGTCTTAA AGCAAGACTC AGTGGTGTAT CTNCATTAAA AGCTTCCTTT AAAAAAGNTA 180
15	CAGGGNTACT AAAAAAACAA GNACCCAAAC AATCAAGNTG GGCCCACCTT GGNACCNTGT 240
	TTTGNATNAC CTTCCATGGT TTGGTTGGCG GTATGGNAAA AGGATTGNNT GGTN 294
	SEQ ID NO:7132
20	SEQUENCE LENGTH: 107
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGSO8368
	SEQUENCE DESCRIPTION:
0.5	GATCATGCTG TGTGGAGGAC AAATCTTTAA AATTCCAGCA TTGTATTGTC TATTGACACA 60
25	CAAAGTTTGA AAATAAAGGG GCAAAAAATT TTAATGCAAA AATGAAA 107
	SEQ ID NO:7133
	SEQUENCE LENGTH: 328
30	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUNGSO8369
	SEQUENCE DESCRIPTION:
35	GATCTGCGAT GGCTGACATN AATAGGTCAC CATGTTGGCA GCTGTATAAT CAGCAATGAA 60
	AGCTGAATAT TATCACCAGA TAACCAAATT ATGAAATATC TATATNANCT TCANGATTCA 120
	GGNCCANTGA ACCAGTATCT GCCCTTACGA GATTTAGCTG AANGTGAANT GCAAGGTGGT 180
	GAACGGCATT CTAACAAGAG TGTGAAGAAA GAGATNGANG GCTGTCCGCT GCTGGAGGGG 240
40	AAGAANGGTG GGGCGGCTTT TNCAAGGCTC TGTGGCTCAG TGGACCTTCA ATANATTGGA 300 CCTTCAATAA ATTAATTGNA AANCANGN 328
	SEQ ID NO:7134
	SEQUENCE LENGTH: 244
45	SEQUENCE TYPE:nucleic acid
70	TOPOLOGY: linear
	CLONE: HUNGSO8371
	SEQUENCE DESCRIPTION:
	GATCTGAGGG ATTTGCTCGT CATTTGCTGT GGCAGAGATG ATGTTGACAC CCTGGGATGC 60
50	TGTGGGAGGG ACAAAAGACT CACGTATATG TTCTGTCAAA TCGGAGAAGT AAATAATCCG 120

5	TTGGGATGCC AGGATACTTT ATTCTACAGC GAAGTTAATT TTGTATCCGT CGAGGCTACA GTAGAGGTAA AAATGACATT GAGTTGTACT TTGCTTTGAA TTAAAGTTGA TGGGTAGCAG CAAA	
10	SEQ ID NO:7135 SEQUENCE LENGTH:48 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08372 SEQUENCE DESCRIPTION: GATCTTGACT CCAAAAATTA ATAAATAAAT AAAAATAAAT AAAATAAA	48
	MATAM	40
15	SEQ ID NO:7136 SEQUENCE LENGTH:48 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGSO8373 SEQUENCE DESCRIPTION: GATCATGGTA TAATTAATTG AAATTTATTA AAATCTGTTT TTATTAAA	40
	GATCATOGRA TAXITAATIG AAATTIATIA AAATCIGITI TTATIAAA	48
25	SEQ ID NO:7137 SEQUENCE LENGTH:267 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear CLONE:HUNGSO8374 SEQUENCE DESCRIPTION: GATCTGTGAC TTCAAGTTTG GACCGTGGAA GAACAGCACT TTCAAACCCA CAACTGAGAA TNATGACACA GGGACAAGTA GCAGTGATAC ATCAGATGAC GACGATGTNT GAAGGATTTC	
35	CTAACAGCTT TNGAAATCTT AGTGTGATAC ATCTCTCATA CAGTTTGGGG NGAATTGTNA AAATGAAAGG ACTATANTTT ATGTAGTGGA ATACCCCCNN AGAAGAGGNN TTTTTTGGGG 3	180
40	SEQ ID NO:7138 SEQUENCE LENGTH:314 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE:HUMGS08375 SEQUENCE DESCRIPTION: GATCATTGAA ATTCTGAGAA AACTTCTTTT AAACCTCACC TTTGTGGGGT TTTTGGAGAA	60
45	GGTTATCAAA AATTTCATGG AAGGACCACA TTTTATATTT ATTGTGCTTC GAGTGACTGA 1	
	CCCCAGTGGT ATCCTGTGAC ATGTAACAGC CAGGAGTGTT AAGCGTTCAG TGATGTGGGG 1	
	TGAAAAGTTA CTACCTGTCA AGGTTTGTGT TACCCTCCTA TAAATGGTGT ACATAATGTA 2	
	TTGTTGGTAA TTATTTTGGT ACTTTTATGA TGTATATTTA TTAAACAGAT TTTTACAAAT	
50	COLUMN ACA NAA	314
JU		

	SEQ ID NO:7139 SEQUENCE LENGTH:349					
_	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS08376					
	SEQUENCE DESCRIPTION:					
	GATCCAGAGT AAATGAGAAG	TCTCTATCTG	AGCTGGTCAG	TTACTGGAGT	ACATGTNACT	60
10	AATCTGGGTT TAAAGTTTAC					
	TCCACACTAA GCCATCCTGT					
	TCTATGGGCT CCCTCTCCCA					
	TGGAAAAGCA AATAGGAATT				TTGTTGTTGT	300
15	TCACTTGTGG TTCTACATTC	CTGGTGNATG	NTGAATGTNG	CTGTCAAGN		349
	SEQ ID NO:7140					
	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS08377					
	SEQUENCE DESCRIPTION:					
	GATCTTGTGC TTCCATTTAA					
25	TGACTATCTG AAGATATATG					
	ATTGAAAGAT TGTGGAAGTN					
	TCATGACTCT AAAAAGTGCA					
	GTGCCTTTCC TTATCTACAT				GGGAAGTGGN	
	AATTAACTGT GGCAAAACCT	ATTINGGCAC	ACCNCCTTTG	TTCAATN		347
30	CEO ID NO.7141					
	SEQ ID NO:7141 SEQUENCE LENGTH:121					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	aciu				
35	CLONE: HUMGS08378					
	SEQUENCE DESCRIPTION:					
	GATCTTAATT CTTTGCAATT	ATANATGAAA	AATGACTGAT	TTTTCTNSAA	ATATCTAACT	60
	TATNTAAATA TATCTGTTTG					
	A	monument	MICONTINUEN	ACATITITU	AMACCATAA	121
40						161
	SEQ ID NO:7142					
	SEQUENCE LENGTH: 409					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUNGS08379					
	SEQUENCE DESCRIPTION:					
	GATCTGGAAA CTATTTGGGT	TTTGTTTTCA	ACTTTTCATT	NGGATGTTTG	NCNTTGCACA	60
50	CACACATCCA CCGGTGGAAG	AGACGCCCGG	TGAAAACACC	TGTCTGCTTT	CTAAGCCAGT	120
50	NAGGTTGAGG TGAGAGGTTT	GCCAGAGTTT	GTCTACCTCT	GGGTATCCCT	NNTGTCTGGG	180

	ATAAAAGATN TCAAGCCAGT	TGGCGGGATG	GAATGGNTGC	ACCGCAAATA	ATGCATTING	240
	TGAGTTTTCT TGTTAAAAAA	AAATTTTTT	* AAGTAAGNAA	AAAANAGGTA	ATAACATGGC	300
	CAATTTTNTT ACATAAAATG	GCCTTTCTGG	NGTNTAAATT	ATTCCTAAAA	AAATCCNGTT	360
5	TTATATANAC NATCCAGTTG	NTGGAAAAA	NTTTTCCAAA	NGTTTTTGN		409
	SEQ ID NO:7143 SEQUENCE LENGTH:89					
	SEQUENCE TYPE:nucleic	naid				
10	TOPOLOGY: linear	acid				
	CLONE: HUMGS08380					
	SEQUENCE DESCRIPTION:					
	GATCTAGAAA ACTTTGGATT	TTTGAAGTAA	ATTTTAATGT	TTC (T (TT) (TTTCTTC	60
15	ATGTATTAAA IGTCATTGAA		ATTITATION	TICATATIAA	ITICITUAAA	89
.0	AIGINITAAN TUTCATTUAN	AUCCITAAA				03
	SEQ ID NO:7144					
	SEQUENCE LENGTH: 375					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS08381					
	SEQUENCE DESCRIPTION:					
	GATCACTGTG GACCATCTTA	GCAGTTGACC	TAACACATCT	TCTTTTCANN	ATCTAAGAAC	60
25	TTTTGCCACT GTGACTAATG					120
	TATGGCTACA TGGTTATATT	ATGCTGTGGT	TGCGTTCGGT	TTTATTTACA	GTTGCNANTA	180
	CAAATATTTG CTGTAACATT	TGACTTCTAA	GGTTTAGATG	CCATTTAAGA	ACTGAGATGG	240
	ATAGCTTTTA AAGCATCTTT	TACTTCTTAC	CATTTTTTAA	AAGTATGCAG	CTAAATTCGA	300
	AGCTTTTGGT CTATATTGTT	AATTGCCATT	GCTGTAAATC	TTAAAATGAA	TGAATAAAAA	360
30	TGNTTTCATN NTAAA					375
	SEQ ID NO:7145					
	SEQUENCE LENGTH:513					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
•	CLONE: HUNGS08382					
	SEQUENCE DESCRIPTION:					
	GATCTCGCTC CTTTGAGAGG					60
40	ATGGCAGGCA CAGGCGCTGA					
	CTATCTACAG TGTGATGTAT					
	TGATTTCTTG AAACCCTCTA					
	TATGTTAATT TTTTTGCACA					
45	GGTTCAATTG TACTTTATTA					
	AACTICTGTAA AAATGTATCT					
	AAGNGGTTAT TTTGTTTAAN			AANCACTGGN		
	TNGTGTAAGG TTTTTNCAGG	UMNIAGIICC	LUN			513
50	SEQ ID NO:7146					

5		SEQUENCE LENGTH: 180 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08383	acid				
10	0	SEQUENCE DESCRIPTION: GATCTGAGAA TCTTTATTGA ATAAGTAAGA AAATATTTTG AGGTTTACAA TTTACAAAGT	TCTAAAATGC	CTCAGTGTAT	TTGTATTTT	TTGCAAGTGA	
15	5	SEQ ID NO:7147 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8384 SEQUENCE DESCRIPTION:	acid				
21		GATCAAGAAA CTGGAAAATG GAAATCAAGA ATTTTTAAAA TGTATTAAAA TACTTTTTCA CAGTAAA	ACAAGAATAT	CAACATTTGG	TTTTGTGTAT	AAGTGGTGTT	120
2	5	SEQ ID NO:7148 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08385	acid				
31	0	SEQUENCE DESCRIPTION: GATCCAGAGG CGAGAAGCCA CTCTCCTTTC AGGGCCAATC ACTNACTTAA AGN					60 120 133
3:	5	SEQ ID NO:7149 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08386	acid				
41	0	SEQUENCE DESCRIPTION: GATCCTTGTC AAAATGAGAT ACTTACTATT GGTCATGCAA GAACTCGAGA ATGTATGGAT	TAGGAGAACA	GAGACCCGNG	GGCTGCTTTG	GGGGAGGGG	60 120 172
4	5	SEQ ID NO:7150 SEQUENCE LENGTH:250 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
56	0	CLONE: HUMGS08387					

	SEQUENCE DESCRIPTION:					
	GATCACCATT CAATTTGAGT					
	TTCAATGAAG AATGTCATCA					
5	TTTGTGCCAG TGAAATGGAG					
	ATTAAACTTT ATAGTTTATC	CGAGTATGTT	GTATGCTTTG	ACAATAAATG	ACTATTTTCT	
	TCAAAGCAAA					250
10	SEQ ID NO:7151					
	SEQUENCE LENGTH: 282					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08388					
15	SEQUENCE DESCRIPTION:					
	GATCATCACC ACCACGGTTC					
	GAAGCTCCTG CAGNATCGGT					
	GCAGTGGTTG GAGGCCTCCT					
20	GGAAGAGGAC TGGTGTCTGT CCCCTGGAGC GTGGGGGAGG				GGCCCGACTT	
	CCCCIONAC BIOOGGANG	ACATUAUTUC	AUATUUACUU	114		282
	SEQ ID NO:7152					
	SEQUENCE LENGTH: 391					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08389					
	SEQUENCE DESCRIPTION:		mm		#00#G+00#\	
30	GATCAAAGTA GAAGCNTTTG					
	TTGACATGAC ATCTAAAAGA					
	ATTCTNCTCT NACTCCTTTC CGGAGCACTG GCATCAAAAA					
	TTGTTGAAAT GAAAGACAGT					
	AGGGGNTAGC AAACTTATCT					
35	CAGTCTCTGT TTCAGACTCT			UNUNCTINIA	UNCACACAAC	391
	ONGIOTOTOT TICHUNCICT	ddiamiii	N			331
	SEQ ID NO:7153					
40	SEQUENCE LENGTH: 119					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08390					
	SEQUENCE DESCRIPTION:	50.50			****	
45	GATCTAAAAA TAATTCTTAA					60
	TCAGCTTACT GTAGGAGATT	LIMALANACT	MAAGCIIIIG	LIGALITAIG	AUTTAGAAA	119
	SEQ ID NO:7154					
	SEQUENCE LENGTH: 284					
50	SEQUENCE TYPE: nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS08391 SEQUENCE DESCRIPTION:					
5	GATCTTGTAC CAAGCCAACG					
	CTTCCTTAGG AGTTTTGCCC					
	GTAGGCTCAC TCAGCCCGCA					
	TGCTACTTCC TGTGTACAAA				ATGAACAGGG	
10	GCCACGTTGT TGCAATTGTT	ICAGIAGAAC	IGGILIGALI	ICIN		284
	SEQ ID NO:7155	`				
	SEQUENCE LENGTH: 289					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08392					
	SEQUENCE DESCRIPTION:					
	GATCGAGACC ATCCTGGCTA	ACACAGTGAA	CCCCGTCTCT	ACTAAAAATA	TAAAAAATTA	60
1.	GTCGGGCATG GTGGCGGGCG	CCTGTAGTCC	CAACTACTCG	GGAGACTGAG	GCAGAAGAAT	120
20	GGCGTGAACT CAGGAGGCGG	ANTTGCAGTG	AGCCAAGGCG	ACAGAGCAGG	ACTCTGTCTC	180
	AAAAAATAAA AAATAGTGCA	CTGTCCTTCG	AGAAAGTTTT	CTAACATCTA	GTAATTTGTA	240
	ACTTAGAAGT GGAGTTGCCT	TGTGGATGTC	TTTTTTGCAT	TCTGTAGGN		289
	SEQ ID NO:7156					
25	SEQUENCE LENGTH: 293					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS08393					
30	SEQUENCE DESCRIPTION:					
	GATCCAACTG CAGAGATGGC	AGCTGAGTCA	TTGCCAGTNT	CCTTCGGGAC	ACTGTCCAGC	60
	TGGGAGCTGG AAGCCTGGTA					
	GGTACCTATG TTTCACCTCC					
35	GACCCTGCTT NTTTGGCTTG					
35	ACCTCCCAGA GCCCTCACTC					293
	SEQ ID NO:7157					
40	SEQUENCE LENGTH: 69					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS08394					
	SEQUENCE DESCRIPTION:	1 C C 1 PP PP PP C C	5.00.00m			
45	GATCACGATG TAAATAATNA	AGCATTTIGG	TAGGATGTCT	ANNGTAATAA	ACAATTTTTG	60
	TACCATAAA .			,		69
	SEQ ID NO:7158					
	SEQUENCE LENGTH: 312					
50	SEQUENCE TYPE: nucleic	acid				

5	TOPOLOGY: linear CLONE: HUMGS08395 SEQUENCE DESCRIPTION: GATCTTGGCC TCCCAAACCC TATTATGTAT CCAAACTGAA TTGAGTCAGT CTGTCTTGTT GTACACTGAT ATATTGGGTA	ATNATCTGCT TGCTGTGCCA AATTTTGTTG	TTCTGCATTA CGCCTGATGC AATAAATTAA	GAATGTAAGC CCAGCCCAGC GCTCAACTAT	CCCCTGAGGG AGCATGCTTT TTGTATTTCA	120 180 240
10	ATAGNTTGAG TTGTATTGCT GGAGNAATTA AA SEQ ID NO:7159	TCCTGTTCTT	CAAGCTTAAA	TTTGACCTGT	СТААТААААА	312
15	SEQUENCE LENGTH: 92 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08396 SEQUENCE DESCRIPTION:	acid				
20	GATCTTTTGT GGTCCTGTAA GTTTCAATAA ACCTAATAAT			TCAGCCAAGC	CAAGAGGATG	60 92
25	SEQ ID NO:7160 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8397 SEQUENCE DESCRIPTION:	acid				
30	GATCTTGCAA TATATACTCA A	GGAAATTACC	ATGGGCAGAA	TAAAATGCTT	TTAAAAATAA	60 61
35	SEQ ID NO:7161 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08398 SEQUENCE DESCRIPTION:	acid				
40	GATCCAAACT GNAGAACTTC ATCAGCTCTA AAAGGAACCA NTNAGGAAAG GNTAGAAATN CAGTAGCAGT GACGCCTACA TNGCATCTGA CGCTGTCCAA AGACTGTACT TAAAGGNTN	GACCAACGTT TTCAGGGCAT CGGAAGANTT	TTCCAGCCCC CATCATACAG GGAACTGCAA	TTNATTCTGC GCTCCTCATC ACAGGCTGGG	TTCCNTCTGT TACAAAGTTC GTCACCTCAN	120 180 240
	SEQ ID NO:7162 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

5	CLONE:HUMGSO83 SEQUENCE DESCR GATCCANAAA TAA CAAAGCAGTG GAA NTTNGTGTGT TAT	IPTION: GTTTAAC AGATTGA					
10	SEQ ID NO:7163 SEQUENCE LENGT SEQUENCE TYPE: TOPOLOGY:linea CLONE:HUMGS084 SEQUENCE DESCR	H:147 nucleic r 00	acid				
15	GATCTATGTG TCT GACTGAATCT GGT AATAAAATGA ACT	GTNTGTG TCTCCTC	TTGTACACCC				60 120 147
•							
20	SEQ ID NO:7164 SEQUENCE LENGT SEQUENCE TYPE:	H:320	acid				
	TOPOLOGY: linear						
25	SEQUENCE DESCR GATCTAGNAA CTAG	IPTION:	CTATTTGTCC	CAGCAATCCC	ATTACTGGGT	ATATACCCAA	60
	AGGAATATAA ACCA						
	NNACAATAGC AAAI	GACACAA	TAGCAAATGC	CCATCAAAGA	TAGACTGGAT	AAAGAAAATG	180
	TGGTACATAT ACAG	CCATGGA	ATACTGTGCA	GTGCAGCCAT	TACAGCTTTT	GGTGATACAG	240
30	TGAATCAGAT TTT						
	TTTGTATTGG NATO	CCTTGNN					320
	SEQ ID NO:7165	·					
35	SEQUENCE LENGTI						
00	SEQUENCE TYPE:		acid				
	TOPOLOGY: linear						
	CLONE: HUMGS0840						
	SEQUENCE DESCRI		1000mommoo	OT 1 TO 1 TO 2	T. T. T. O. T. C.	TO 1 1 TO 1 1 1 C	
40	GATCCATATT TTAA		ACCUTGTTCC	CTATGATACC	TATCIGTUTA	I GAA I GAAAC	60 74
	SEQ ID NO:7166						
	SEQUENCE LENGTH						
45	SEQUENCE TYPE:	nucleic	acid				
	TOPOLOGY: linear						
	CLONE: HUMGS0840						
	SEQUENCE DESCRI		D. D. C.				
	GATCCAAAGA ACTI	TTTGTTA	TATEGETTAT	ACCTGTTAAT	A TTTCTCATA	TTTCGAAATTC	EU.

	AAATAAGATT TTAAGGTATT AACACTTTTA TGAAAATAAC					120 178
10	SEQ ID NO:7167 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08405	acid				
	SEQUENCE DESCRIPTION: GATCACAGAT TTCATCAGGA GGGTACCCAT TATTTAGCAA			GCCACTCTGG	ACAAGTCACA	60 98
15	SEQ ID NO:7168 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic	acid				
. 20	TOPOLOGY:linear CLONE:HUMGSO8406 SEQUENCE DESCRIPTION: GATCTCTGTG GCCTAGGTTT TCTCTGATGA TGTATGCAGT				TTATTGTTTG	60 110
25	SEQ ID NO:7169 SEQUENCE LENGTH:298 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGSO8407 SEQUENCE DESCRIPTION: GATCCTGAAG AGCGCTGAGG TCATGAGACA GATGCTAATG					60 120
25	ATCCCTGTGC GGGTTGCAGA CAGCCATAAC ATCTACGTGC CCTTCGGGNT TGCCNCNACC	TGCTGCTAAA AAGCAATCAN	AACACAGAAG TTACCCTACG	TCTGTGGATG GTGCCCCGGG	AGCTAATGAG NAGAAGAGCT	180
	SEQ ID NO:7170 SEQUENCE LENGTH:329 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8408 SEQUENCE DESCRIPTION:	acid				
45	GATCCACCCG CCTCGGCCTC CAAAAGTTGA TTTTTAATTA NGANTACAGT TATATTTTAA TTGGTTTGCC TGGAAAGAGT	CATAAAAATC AACCTTAAGG CTCTGTTAAA	GTAAAAACTT TGACAAGCAT AGATTTTCCA	CTAGTAAAAA TTTCTATGCC TATTCAAAGT	CTTGATTNNG TAAATCTTCA AAAAGGAAAG	180 240
	ATTTCTTGCT TTCTAATTGT TAGATGTGAA ANATGTAATT		CATGCCTATT	TTCTTTGAGG	TATAANCCTT	300 329

5	SEQ ID NO:7171 SEQUENCE LENGTH:213 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08409 SEQUENCE DESCRIPTION:	
10	GATCCAGATT INTICTGTTG TGTCTGAAGA GAACCATGAC ATTTAGAAGT ATATTGGTAA TCTATTAGGT CCATTGGCAA AGTATATTGG TCCATATTCA AACCTATTCC AAAAGGTTAG AAGTGTTTAA GATTCCTTTA TTGTGGTACC ATGTCTGTTT ACCTATGCTT ATGAGCAACA	120
15	SEQ ID NO:7172 SEQUENCE LENGTH:332 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CGTGGGCGAC TGAATCCAGC ACGTCTGTGT GAGTANCGGG ACAGTAAACA CTCCACATNN 1 NNTCAGTTTT TCACTTCTAC CTACATATTT GTATGTTTNN NTGTATAACA GCCTTTTCCT 1	80
25	TCTGGTTCTA ACTGCTGTTA AAATTAATAT ATCATTATCT TTGCTGTTAT TGACAGCGAT 2 ATAATTTTAT TACATATGAT TAGAGGGATG AGACAGACAT TCNNCGGGNT ATTNCTTTTA 3 ATGGGCACAA AATGGGCCCT TGCCTCTAAN GN	40 800 832
30	SEQ ID NO:7173 SEQUENCE LENGTH:332 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08411	
35	TTCTGCCCTC GAGACCTGGC ACAGCAGTAT CCCTTGAAGA AATCCTGAGG CTTTGTAGAG 1: TGCTCCTTGA CCATGTTTAA TAATTCTTCC CTCCCCTGCT TGTNTATTTT TTTCTCTTCA 1: CGGCTCTTCC TATACCTTAG GCCAGTCTCA AGCACTCACT GGAGACCCTT GGGCCTTGGG 2: CGACCATTGA GTCCTAGTCT CCCTTGTTTG TGCCCCTGTA GGAGGTAGGT CCTTTTNTCC 3:	80 40
40		32
45	SEQ ID NO:7174 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO8412 SEQUENCE DESCRIPTION:	
50	GATCTGCTTT GCAGAGGAAA TAACTTGTTT TTTCTCATGT TTCATCTTCT TTTTATGTAA	60

	ATATGTAATA CTTTCCTATA TTCCAAA	TTGCCCTTTG	AAATNTTTGG	ATAAAAGATG	ATGTTTTAAG	120 127
5	SEQ ID NO:7175 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08413	acid	·			
	SEQUENCE DESCRIPTION: GATCTGCCCG CCTCAGCCTC TTTTCTTTC TCATAAAATG TATTAAATNG CCAAAGTGCA	CTTGTTCATA				
15	470 IN WA TARA					
	SEQ ID NO:7176 SEQUENCE LENGTH:347 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUNGSO8414 SEQUENCE DESCRIPTION: GATCATCTCT AAAATTAAAA					
	AGTATGTTGC TTCTGGGGTC					
25	AACTATTCCT ATCACCACAG TCCATACAGA AAATGTGTGC					
	CAGCCAAGTA GCAGAAATAT					
	ATGGGTATTT CCTTTCTTGT				ANTOTANTUA	347
	SEQ ID NO:7177 SEQUENCE LENGTH:213 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGSO8415 SEQUENCE DESCRIPTION:					
	GATCATACTA ATAATTTAAT					
	TATGGTATAT TGTGATGCTG					
	GTATAAAATG CTACATAGCA GACGTAACGG CAATAAAATT			TATTATTTCC	TACTGTTTTT	180 213
	SEQ ID NO:7178 SEQUENCE LENGTH:161					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08416 SEQUENCE DESCRIPTION:					
	GATCTTAAGA AGAGAATAGA					
50	AATCCAAACC AGTACAACTA	TATTGCATAG	AATGTTGGCC	TTGCAGCATT	TGGTGTCATA	120

	TGCAGTAGCC AGTGGATAAA	CTAACCTGTT	GATTCAATAA	A		161
5	SEQ ID NO:7179 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08417	acid				
10	SEQUENCE DESCRIPTION: GATCATGTGC AATATTTCTT TAACACAAA	ACTGTGCCGA	GAAGCCACAA	TGAGCGAGAT	TAAAGCTGTT	60 69
15	SEQ ID NO:7180 SEQUENCE LENGTH:348 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8418	acid				
20	SEQUENCE DESCRIPTION: GATCTCTGTT CCTTTTGGCT TTAAGAGTTA GGCCAGATAA GCCTAAACTG GATTTCCTTA	GTGAAATTTA TTCCAAATCC	ACTTAAGGGC TGTCTTTTCC	ACACAGCTAA CCACTATTCC	TAAGTAATAG ATTAGACCCC	120 180
25	ACAAATGTTA GTTGTGTGTG TTTTAAGGCA AAATTTCTCC GGGGCCAAGT AGAAAGCATT	CTTATCTACT	GTGATGACTT	CAGAAGATAC		
30	SEQ ID NO:7181 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8419	acid				
35	SEQUENCE DESCRIPTION: GATCCACTTC TGTAATTAAG TACAACCATT ACCNGNCACT TNCGCTTGTT CN					60 120 132
40	SEQ ID NO:7182 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8420	acid				
	SEQUENCE DESCRIPTION: GATCTCATCA CTGCACTCTA ATAAATAAAT AACATAGTAG		CGGAGCGAGA	CCCTGCCGCT	AAATAAATAA	60 85
50	SEQ ID NO:7183 SEQUENCE LENGTH:224					

	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY:linear CLONE:HUMGS08421					
5	SEQUENCE DESCRIPTION:					
3	GATCATGGAC TGGTGCCTTT		GGAGAGCTGT	CAGCGTANAC	CGAATTCAAG	60
	ACCAAGGCGT GCTACCTGAG					
	ACATACATGT TCTGAAACTT	TCTCATCATT	TTATGAGTAC	TGTTCATTGA	GAGATGACAA	180
10	TGAAGATTAG ATGAAATTGG	AAATAAACCA	ACATTGTTTA	CAAA		224
	SEQ ID NO:7184					
	SEQUENCE LENGTH: 38					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08422					
	SEQUENCE DESCRIPTION:					
	GATCTCTGCA GTATTAAAAA	GATGTACTCC	CAATTAAA			38
20	SEQ ID NO:7185					
	SEQUENCE LENGTH: 67					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS08423		•			
	SEQUENCE DESCRIPTION:			<u>.</u>		
	GATCTTTGGC AGTGCCAGCA GTTTAAA	GGTTAAATTT	TGACCTGCTC	AATTAAAAAT	AAACACTGGC	60
	UIIIAAA					67
30	SEQ ID NO:7186					
	SEQUENCE LENGTH: 117		-			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGSO8424 SEQUENCE DESCRIPTION:					
	GATCTTCAAA GAAGAGAATG	TAATTTATAC	CATGAATATG	ተ ተልተ ተ ታተተተር	ATCTTCCACC	60
	ACTGAAATAC TTTCAGTTTG					117
40	SEQ ID NO:7187					
	SEQUENCE LENGTH: 231					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS08425					
45	SEQUENCE DESCRIPTION:					
	GATCTTTGTT ATTTTAGGGG	GGAAATCACA	TGGTATCTAG	CATGGGACAA	AGCAGCAAAA	60
	TAAACCAAAA GGACAATCTC					
	GTACTTTAAG TATATCTATA					
50	ATAGTCACTT CCCCAGTGTA	TTTTAATGCA	AATGCATATN	CTATAANNTA	N	231

		SEQ ID NO:7	188					
		SEQUENCE LE	NGTH: 197					
		SEQUENCE TY	PE:nucleic	acid				
5		TOPOLOGY: li	near					
		CLONE: HUMGS	08426					
		SEQUENCE DE	SCRIPTION:					
		GATCTCTGTT		GAGTGTGCCT	TGCATTTAAA	AGGAAATATT	GGTTTCTAGG	60
		GAAGGGAGGA						
10)	TTAAGAATCC						
		AATTTTAAAA					11.0	197
								-0.
		SEQ ID NO:7	189	•				
15		SEQUENCE LE						
,	,	SEQUENCE TYPE		acid				
		TOPOLOGY: 1i						
		CLONE: HUMGSO						
		SEQUENCE DES						
20)	GATCAGGAGA (CCGCACATCA	CACAGATAAA	GTCAGACAAT	TGTAATTAAT	60
		ACTITICTE (115
		SEQ ID NO:71	190					
25	;	SEQUENCE LET	NGTH: 329					
	,	SEQUENCE TYP	PE:nucleic	acid				
		TOPOLOGY: 1 in	near					
		CLONE: HUMGSO	08428					
		SEQUENCE DES	SCRIPTION:					
30)	GATCCTTGTG (GGCATTATTC	TAACTGATAC	GTAGACACTT	ACTTGGAAAN	NNNNGGACAT	60
		TATATTAAAT (GAGTGCTATC	TGTGAAATTG	GTTATATTAG	GTGGCTTGAC	TAATGTTTTT	120
		CCTATAATTG 1	TATATGGACT	GCATTTTTAA	AAAAAACCGC	ATTTGCCTTT	ATGCTAGATT	180
		GTAAAAAATT A	ATATTAGAAT	GCATAAGACA	TGTTTTNCCN	TCATATGCTA	GACTTTNCCT	240
35		AGCATTTCGT A	ATTTCTGTGT	TGTCAGTGTG	TGATTTTNAA	ACCGGAATTT	GGTTTAAAAA	300
3.	,	AAATCTGGTG (GTAATATATG	TGAGAANTN				329
								-
		SEQ ID NO:71	191				•	
		SEQUENCE LEN	NGTH: 353					
40)	SEQUENCE TYPE	PE:nucleic	acid				
		TOPOLOGY: lir	near					
		CLONE: HUNGSO	08429					
		SEQUENCE DES	SCRIPTION:					
45		GATCTTCATT (CCAAATTTTA	CTGCATGGAA	ATGACTAATA	ATGTGCATAA	AAAGTTAACT	60
74.	•	ATAAGGATGC 1	CACTGCAGG	GTGGCTTATA	TTAACACAAA	TTCACAAACA	ACTCCACTGT	120
		TCCAGCACAG C	CAGTGTTTGG	TAAATCATGA	CATGTTTCTA	TGCTCAATTA	CTATCCAACT	180
		TTTGAGAATT A	AGGTTGGAGA	TATGTAATTN	CCAATATGAA	AATAAATTTC	CTATATNCTA	240
		TTTAGTAAAA N	NTAATTCATA	AATNTCCATT	TTTNCAAACA	CTTCATGAAT	TTNTTCCAAA	300
50)							

	ATACANATGT TATCTATCCA	TTTNGGAATT	AGGANTGGTT	NNNATCATTT	TGN	353
5	SEQ ID NO:7192 SEQUENCE LENGTH:352					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08430	acid				
10	SEQUENCE DESCRIPTION: GATCTCAGTT TTTCCATCAA					60
	CCTTTGCAAA CACCGGCAGT CCTGGAATAA ATGTCCCCCT					
15	TTAGGAAATT CTGTGAGGNG NTNGCTGAAT TGCTTTAATA	NTTGTAACCA	GATTTCTGGG	TCTGCCACAT	GCACCTATCT	240
	CANCTTGAAT ANCAATAAAA					300 352
	SEQ ID NO:7193					
20	SEQUENCE LENGTH:348 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS08431					
25	SEQUENCE DESCRIPTION: GATCCTGGAG AGGAGAAATC	CTGGCCTCTG	CTCATGCGCA	CCTCACAACC	CCCCTCCAAC	60
	TGCGGTTNAG CTCTCTGCCA	CTTTCTTCAA	TGTAAAAAGT	AGGCATCAAA	GATACGACTT	120
	CTACTATATA CATTININTG TACAGAGGAC CTCCTGGAGC					
30	GTGGAAGCNA GGCCACCATC AGGTGCCGGC ACAGTGCCTC	TGAGTGGATT	GGTCCCAAGT	NTGTAATGAG		
	SEQ ID NO:7194		10/11/0/11/0/0	COMPANDI		310
35	SEQUENCE LENGTH: 349					
33	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08432 SEQUENCE DESCRIPTION:					
40	GATCACAACT CTCAGTCTAC	CTGGAACACC	CCACCCAACA	TGCCTGCTGC	CTGGGGACAT	60
	GCCAGTTTCA TCAGCTCTCC					
	GGACTTTTTG GTTCCATCTG AACCCCACCA CGGAACATTC					
	CTACCCGGGG TTCAACCCGT					
45	GAATAGGAAT GCAAATTTCC				CINCONUNC	349
	SEQ ID NO:7195					
	SEQUENCE LENGTH: 342					
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE: HUMGS08434 SEQUENCE DESCRIPTION:					
	GATCTGCCTG CCTCGGCCTC	CCAAACTCCT	CCCATTACAC	CCCTCLCCCL	CTCCCCCCAC	60
5	ACCAAAAGTT TTTTTAAATG					
•	TTAATTTCTG AAAACACTGT					
	CTTGGGGAGC AGAGCTGGTT					
	GTTCTCAGTG GGCTTTTGCC					
	GACCACCATG AGGAAGGCTG				CIGCICOIAA	342
10	disconsonia nadanageia	downlinger	UTTURNTTAN	MM		346
	SEQ ID NO:7196					
	SEQUENCE LENGTH: 364					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08435				•	
	SEQUENCE DESCRIPTION:					
	GATCTGCATT TNNAGGTTCC	GAGCCTGACC	CCTGGAACTG	ACCAGCGCTC	GATTGTNAGC	60
	CTTGGCCTGG GGTTTTAACC					
20	TTCCTCATCA GTTTCACTTC					
	CCTGGGAGTT TGAATCAGGC	CCATTTGAGC	GTGGCAGCCG	TGTTGGGTGA	AGGTCCGGGG	240
	CTCGGTGAGG CACTGGGGGG	GTTTTCGGGA	GGAAAATGAA	AATGCTTCTA	GAATGAGTGA	300
	ACCACATCAT AGCTCTCACT	GTTTTTTCAA	TAGCTACTTT	TTTTAGCAGA	CANCAGAGCC	360
25	ACAN					364
	SEQ ID NO:7197					
	SEQUENCE LENGTH: 30				•	
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS08436					
	SEQUENCE DESCRIPTION:					
	GATCTCAAAA TAAATTCAGA	AAGAAATAAA				30
35						
	SEQ ID NO:7198					
	SEQUENCE LENGTH: 196					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUNGS08437					
	SEQUENCE DESCRIPTION:					
	GATCTGCCTA GCCAACTTTC					60
	TGGGGAATTA CCCCACCTCA					
45	TTTTAAAAAC ACTAACTCAA	TAATNCTCAA	AAATCAAAGT	CTGCTTTNAT		
	TAAAATAATA GGCAAA					196
	CEO ID NO.7100					
	SEQ ID NO:7199 SEQUENCE LENGTH:102					
50	SEQUENCE TYPE: nucleic	anid				
50	PPAGEUCE TILE: HRC161C	aciu		-		

	TOPOLOGY: linear CLONE: HUMGS08438	
	SEQUENCE DESCRIPTION:	
5	GATCCGCCCA TCTCCGTCTC CCAAAGTGCT GGGAATNACA GGCGTGACAN CCAAACCCGG CCTGATTAAA GTTAAATAAA TACTAGTTCC CTTCTCGTCA AA	60 102
	SEQ ID NO:7200 SEQUENCE LENGTH:341	
10	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO8439	
	SEQUENCE DESCRIPTION:	
15	GATCAGTGCA TTTAGACATC CAGAAGTTAC TTCCACTATT GAGGAACTAT GTAGACATGA	60
	ATTTAAGCTT GTACATGTGC CAATCTTGTT AATGTCACTT GACCACTGAT TCACATAGAC 1	
	AGACATTAAC GTCTGATGCC TCAGGTTGAT GGCGAACTTN CTTCCTAGTG TCTTAACATT 1	
	TATGANCITA TGTTTGACTT GAGGGGCATT TCAGCAAAGC TGTGNAGGAA AAGTAGGTTC 2	
20	TGGNCTGATG TCTGCTTTGT NCCATAGACA TTTTGGAGCA TAAGGNAGTA TCTNCTTCTG 3	300
20	CTATATGTNC AGGGCTTGTC CCCAAATNAA TTCCTGATTT N	341
	and in the good	
	SEQ ID NO:7201	
	SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS08440	
	SEQUENCE DESCRIPTION:	
	GATCTNCTAC AGTTCCTNCA AGCCTAGACA ACCTAAGAAA CTTTACTATC AGCAGCTTAA	60
30		110
	SEQ ID NO:7202	
	SEQUENCE LENGTH: 45	
35	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08441 SEQUENCE DESCRIPTION:	
		45
40	UNICOMMUN MAIMMICOM MAIMMAMAUI IMIMICOMAU MIMM	40
	SEQ ID NO:7203	
	SEQUENCE LENGTH: 202	
	SEQUENCE TYPE: nucleic acid	
45	TOPOLOGY: linear	
70	CLONE: HUNGS08442	
	SEQUENCE DESCRIPTION:	
		60
	TAAAAGTAGA GATAATGTGT AGTCACTTCT AATTTAGTGA AACCAATTGT AATAATTNTG 1	
50	GAAATATTTT GTCTTTAAGT GTAAATATTT AAAAATTTGG CATACCCTAA TGTNAATAAT 1	180

	AAAAAGAACT ATTTGCAGAA AA	202
5	SEQ ID NO:7204 SEQUENCE LENGTH:337	
10	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08443	
10	SEQUENCE DESCRIPTION: GATCGGAAAA CTCTGATTGA ACCATTCACT TTATTAGCCA GTAAACTTTC TCAACCCCAG AGCAAATCAA GCTTTCCTTT GCCTGGGAGG AAAANCATAG GGAACTCTAA TTCTGAGAAC	
1	TAAAAATCAG TAATTTCCAC AATTGTATGT TGAATAGTGA TTGCCTTTAN GNGNCTGTGN	
15	NCATGGAGTA ATATTACTAT TTAAAATAGG CCATTTGTAT CTACCTTTGG TCCTTAGGAA AATTCCTAAG GAAGTCAATT AATGCACTTT NAGATGTTAA AAGTATTTGG GCTAAGGTTA	
		337
20	SEQ ID NO:7205 SEQUENCE LENGTH:351	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
•	CLONE: HUMGS08444 SEQUENCE DESCRIPTION:	
25	GATCAGTGAC AATTTACAGG AATGTAGCAG CGATGGAATT CCCTGGAACA GTTTTTTGTT	60
	TITNTTTTTG TTTTTGTTTT TGTGGGGGGG GGCAACTAAA CAAACACAAA GTATTCTGTG	
	TCAGGTATTG GGCTGGACAG GGAAGTTGTG TGTTGGGGTG GTTTTTTTCT CTATTTTTTTT GTTTGTTTCT TGTTTTTNAA TAATGTTTAC AATCTGCCTC AATCACTTTG TCTTTTANAA 1	
30	NGNTTCCACC TCCAGTCCTN TCTCCTCCCC CCTACTCAGG CCCTTGAGGC TATAGGGGGT	
		351
	SEQ ID NO:7206	
35	SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08445	
	SEQUENCE DESCRIPTION:	
40	GATCTATTTC TTTAAAAGAT ATTTGTGCAG AAACTGCATG TAACTCTAAG TTTTACTCCT AACATACATA TGTTTGGGGA AGTATTCTAT TCTATACTTG CCAATGTGGA GAACAAAATA	60
	GTTTTTTAA GAATGAAGAA GTATATATAT CCATTCTGTA TTTTACGTGC AGCAGAATTA	
	TCTTCCGTAG GATTTTTTTG TGTATTCACA AGGTGATATT TGTATTGTAA AACAATAATG	
45	GTGAAGGAAA TAAAAAGGCT TTTAAAATTT AAA	273
	SEQ ID NO:7207	
	SEQUENCE LENGTH: 328	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	•
50	CLONE: HUNGSO8446	

	SEQUENCE DESCRIPTION:
	GATCAGATTT TTAAAAAATG GATTTCTCAT ATAAATAATA TTATCAAAAA AGGATTTCTC 6
5	ATATAAATAA TATTATCAAA AAAGCTGATT TTAAAAGTTT CTCCCAAAGT CTTATTCTAG 12
	TAATTATAGA GACCTAGGTA ATGAGTGGCA GATATATCTG CCTTTCAGAT ATGCCGTAAT 180
	GTGAAAAATA ACACAGTCAT GTGATATTCT INATTAACTA AAACTGTGTT GTTTTTATTT 240
	TGGAGTAGTT CTCATAATTC ATTGGTAGGG AACTATCCAG TATTTATATT CCTATGTATG 300
	TNTATCAGNT TAATTTCAC CCTTCCAN
10	328
	SEQ ID NO:7208
	SEQUENCE LENGTH: 145
	SEQUENCE TYPE: nucleic acid
15	TOPOLOGY: linear
	CLONE: HUMGS08447
	SEQUENCE DESCRIPTION:
	GATCTGTACA TACACTCTTA ACAATCTACA TATTAAAAATT
	AATATTAAGA CTCAGAGTTA AGTAATTCA CTGAAATTGA TTGCTTTTTG TGTCTTGGAG 120
20	TCAAAATAAA TAACTCAAAT CTAAA
	145
	SEQ ID NO:7209
	SEQUENCE LENGTH: 227
25	SEQUENCE TYPE: nucleic acid
20	TOPOLOGY:linear
	CLONE: HUMGS08448
	SEQUENCE DESCRIPTION:
	GATCTGTTNA CATAAGCACT AGTCACAGGA CTACTCGTGA ATTTCATCAA TTTATTCTAT 60
30	TGTGTTTATT CATGATATCA CCTTAGTAAT TTTTGAAAAA AAAAANGTAC CACACTTGGC 120
	CAAANGCTCA TCAGGCTGAT TGTTTANCTG TNGCTGATTG CTTATCTTTA TATTGTATGA 180
	CCCNGGGGNT NGNTTTGAAN GTTATATTAG GTTTGAAATG ANTTATN 227
	221
35	SEQ ID NO:7210
55	SEQUENCE LENGTH: 333
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08449
40	SEQUENCE DESCRIPTION:
	GATCTTTGAA CTCTGCAATA TGAAGCATAT ATGTGAGTGC TTAGCTTTCA CTCTCTTTCT 60
	GTGTGTGTGT GTGTGTATAC AGATACTAAG ACACAGATAC ATTCACATAT ATACATCTAA 120
	ATATATATA AGTACAGTCC ATATTCAGAT TTCTTCAAGG TTATGGGTCT ATTGTTTAAA 180
45	TTCGGAATCC AGTCAAGGAC AACACATTAA AATTGATTGT TTTGCCTCTA CAGTGTGTTT 240
40	TTTTGGTTTT CATGACATTG ACTTTGATTT GAATAGGTCA GACCATTTCA TGTACTTTAT 300
	ANAGGCACTT TGTAGATTTG TCTGATGATT TGN 333
	CPO ID NO GOV
	SEQ ID NO: 7211
50	SEQUENCE LENGTH: 151
	SEQUENCE TYPE:nucleic acid

	TOPOLOGY:linear CLONE:HUMGS08450					
5	SEQUENCE DESCRIPTION: GATCAAGAGA GTTCGATTGG	CCAAAGAACA	GGAATCCCGG	GCAGATTGTA	TCAGTGAGTT	60
•	TATAGAATGG CAGTATAATG					
	GAAATTAGAG GATGCAAGGA					151
10	SEQ ID NO:7212 SEQUENCE LENGTH:275					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS08451					
15	SEQUENCE DESCRIPTION:					
	GATCTGACAG ACGTCAATAC	CTGCAGGCGT	CTACAGAGAG	GAAATTTGAT	AAAAATATTT	60
	TAGTCACTGA CTACACTACC	ATTATCTGAA	GCATTCAGAT	AAGACTTAGC	AGAGAATGTC	120
	AGATTTTGTT TTCAATTATA	ATTTTAGAAA	TGCAAAATCT	TATTTTTTCT	AAGTTGCTTA	180
20	TTGTCTATAT AAATGTTTTA			AATAATACAC	CTGCAGAATA	
20	AAAGAGCTGA AATTAAAATA	TCTTTTCAA	TNAAA			275
	SEQ ID NO:7213					
	SEQUENCE LENGTH: 103	.,				
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acia				
	CLONE: HUMGS08452					
	SEQUENCE DESCRIPTION:					
	GATCACTTGA GTCCAGGAGT	TTGGTGTTAC	AGTGAGCTAT	GATGGCACCA	CTGCACTCCA	60
30	GCCTGGGCCA CAGAGTAAGA					103
	SEQ ID NO:7214					
	SEQUENCE LENGTH: 144					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08453					
	SEQUENCE DESCRIPTION:			G. # # # # # # # # # # # # # # # # # # #	007044777	
40	GATCTGTAGA CATGAAGGCA					
40	TTTTATAAAT TCGTTCATTT AAAATAACAG TGCAAAAGAG		GILLIAIAIA	ATATATUGAC	IAAACAAAAI	144
	AAAATAACAU TUCAAAAUAU	UAAA				177
	SEQ ID NO:7215					
45	SEQUENCE LENGTH: 164					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08454 SEQUENCE DESCRIPTION:					
50	GATCAGAAGA GGATGACAAT	GGCAACAAGT	GTTTGGAAGT	TCCAAGGTGT	GTTCAAAGAG	60

	GCTTGCCTTG AGGGAGGGCT CTCCACCTTG TCTAAGCTTT				GGTCTTTAGC	120 164
5	SEQ ID NO:7216 SEQUENCE LENGTH:332					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGSO8455 SEQUENCE DESCRIPTION: GATCTGAAGT CCCCCCAACC	CTCTCCAAGT	AAAGTAGTTT	ATTAGAAGCT	CTTAAGTCTT	60
	TAATAGACCT GCATATTTCC TATTTTTAAC TGAAATACTG	TTCCCTTATG	ATTTCCTATA	AAATATAGTT	TATGGTGTTA	120
15	ATGTAGTATT TGCCCCCTAT CTTTGAGTTG CTACAAATAT	CAGTGAGCTG	AACAAATACA	TCATTTAAAT	CTATGCTGCA	240
	CTAAAGANTG NNNAANNTAA					332
20	SEQ ID NO:7217 SEQUENCE LENGTH:277					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08456	acid				
25	SEQUENCE DESCRIPTION: GATCTGTACC ATCCTGTTGC	Τ ΕΓΤΩΤΑΤΩΓ	ርተተርር አጥተር ነ	ፐር ርር እር አጥርጥ	<i>ተ</i> ር እርርር እር ተ ር	60
	TTGACAGCCA CCGCTTTCAC ACTGTCTTGA TAATTAGCCT	ACCCTGGTCT	GGAATAAGGA	AACATCGGAG	GGAGAAGTTG	
30	GTGACATGGT CAGGTTGAGC TTTCTGTTTT TAATTAAAAA	TGAAGCCACA	GTTTCTCTGT			
	SEQ ID NO:7218					
35	SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08457 SEQUENCE DESCRIPTION:					
40	GATCTTAAAC TCCTGACCTC ACAGGTGTGA GCCACTGCAC					60 120
	GATTTGTTAA ATNAGTGATT AAAATTTAAA ATCAGAAA					
45	SEQ ID NO:7219 SEQUENCE LENGTH:409					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUNGSO8458 SEQUENCE DESCRIPTION:					

	GATCTGCATC TNACGCCCAC	TGCACACCGT	TCCTCTCCAT	CTGCCCTTCC	CTCCCAGGCC	60
	CCCGGTCGGG GGAGCAGGTG	TGGCAAGTGT	TAGGAACTCC	CTTCTGGTGA	CAGCTGGTCT	120
5	TCCTAGAGTG TTGCTGGTAA	CTATCGCCTC	TTGGTCTTCT	GACATCATTG	CCAGGAACGG	180
	GGCACTTTTT CGTCTTGTAG	TTTGGCCCTC	GGGTTTCCTC	ACTAGGTATT	GTGTAACTCC	240
	CTCAAAAAAA GGTTTATGAA	ATGCTGAACC	TCAGGTTTCA	TAGACGTCTT	TGTACACTAA	300
	AAATTCTGCA GCAGGAATAT	TTTTAAACAT	TCGCAGTTTT	TTGTAAGCTA	TATTTTTTGG	360
	ATATTTAAAT TGCTATNTNA	AAANTTTTAA	ANTNATTTTT	GCTAATNNN		409
10						
	SEQ ID NO:7220					
	SEQUENCE LENGTH: 87					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear					
15	CLONE: HUMGS08459					
	SEQUENCE DESCRIPTION:					
	GATCTCCTGT TCCGTTAGAA	ATACGGTTAT	GTTGACATTA	TGGTTACTGT	GCTTGTGGTT	60
	TTGCAATAAA CATGTATTGA	AAGCAAA				87
20		•				
	SEQ ID NO:7221					
	SEQUENCE LENGTH: 130					
	SEQUENCE TYPE:nucleic	acid				
05	TOPOLOGY:linear					
25	CLONE: HUMGS08460					
	SEQUENCE DESCRIPTION:					
	GATCAGATAA AATAACTCCT	GACAGAAACT	GTNNGGAAAC	CAGCTGAATG	TTTGACCTGA	60
	TGACTGATGT TGTATGGTTT	${\bf ATGTTAAATG}$	TATATTCTTT	TAATCAATGA	ATAAAGCATT	120
30	AAAAATGAAA					130
		•				
	SEQ ID NO:7222					-
	SEQUENCE LENGTH: 251					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08461					
	SEQUENCE DESCRIPTION:					
	GATCAGAAAC ATTTACAATC					60
40	TGAGANNNNN GGACTCCACA	ACCTTTTATC	ATAACCCAGA	CATTCCTTTC	TATTGATAAT	120
	AACCAATTGC CAATCAGAAA					
	ACCCTTGCTT GCTTCAAATT	GTTCCAACTT	TCTGGACCGA	ACCAATGTAT	AGCTTAAATG	240
	TATTTGATTG N					251
45	SEQ ID NO:7223					
	SEQUENCE LENGTH: 189					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS08462					
	SEQUENCE DESCRIPTION.					

	GATCGGTGCC ATGGCAAGCA CACCCTCAGT CATCATCCTC ATCAGGACAG NCAGCCNNGA ACTCAAGTCT TACGCTTTGG GAGTTCTTTT TCTCNTCCTT CGTTTGTTGG GCTTCATCCC	120
5	NCCACCCCTC ATCTTCGGGG CTGGCATCGA CTCCACCTGC CTGTTCTGGA GCACGNNNTG TGGGNGAGN	180 189
10	SEQ ID NO:7224 SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08463	
15	SEQUENCE DESCRIPTION: GATCTGATTT GGCCTGGGAC CAGTGTTCAA GTTGGTTTGG TCTTTATTAA AAATCACAAT ATTCCGAAAA CAAAAAAACC TAGGAGATAA ATGTAAA	60 97
20	SEQ ID NO:7225 SEQUENCE LENGTH:255 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08464	
25	SEQUENCE DESCRIPTION: GATCTGAAAT NAGAGGTTTT GGTTTACCCT ATCTATGGTA TGTCTTAAAA ATCAACGAAG ATGTCCTTGT CTTTTTTNAA TTTNCCGAGT GTGTTGCAGT TCCACAGCTC ACTGTTAGGT GGCACATACC CCAAACTGAA AACCTGACCT CGTAGGGCAT GAGTCAAAAG ACAGGTAGGC ACAGGACAGG GCAGTGGTGA CACTACAGCT TTCAGGGTTC CCAGCCTGTC AAGAATGAGC ATGTCTTAGC AGGGN	180
30	SEQ ID NO:7226 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUMGSO8465 SEQUENCE DESCRIPTION: GATCAAATTT GGAAAACCTA ACATTGAGAC AATACTATAT TAAAGTATCT CTGGTACCCG AAA	60 63
40	SEQ ID NO:7227 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUNGSO8466 SEQUENCE DESCRIPTION: GATCCAGCAA TCTCACTGAG TATCTAACCA AAGGAAAATA AATCACTATA CCAAA	55
50	SEQ ID NO:7228	

	SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08467	acid				
5	SEQUENCE DESCRIPTION:		5 · 5 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6 ·			
	GATCCAAGAA CCCTCTCTTG GCATTTTTAA TCCTATGCAC					
	TTGATGACAA TAGATGACAA					
	GCAGATATGG TACTAAAAAT				ACTIATIAGA	220
10	CONCULTATED INCIDENDIA	MMATCCOAG	CINCICIANA			220
	SEQ ID NO:7229					
	SEQUENCE LENGTH: 114					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08468					
	SEQUENCE DESCRIPTION:					
	GATCGCGCCA TTCCACTCCA					60
20	AAGACTTGAT TTTTATTTTC	ACTATCTTTA	GCATAAATTG	TTCTAAGAGT	GAAA	114
	SEQ ID NO:7230					
	SEQUENCE LENGTH: 274					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear	4014				
	CLONE: HUNGS08469					
	SEQUENCE DESCRIPTION:					
	GATCTTATAC AGAGAAGTAT	TTTATTAAAA	ATTCAAAAGG	GAAGACTTTT	ATGTGCTCAT	60
30	TTTGTAATTT TTAATTTTAA	ATATCTTTAC	ATTGTCTGCC	AATTAAAGTG	TTTTAAACTT	120
	GCATTGGAAT GGNCTCTGAA	TGTATTTNTN	TGGTGTNACG	TTATCCGTAG	ATTTCTAGCA	180
	TGANGTTAGC CTCACGATGC	TGTGCAAAGG	ATTTTNAAAT	ATGAGAGTCA	CTGANAGAGT	240
	TTAANCATCT GTCCATGTTA	AATGCTCTAT	GGGN			274
35						
	SEQ ID NO:7231					
	SEQUENCE LENGTH: 135 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUNGS 08470					
	SEQUENCE DESCRIPTION:					
	GATCCTTTGT TCACGGCTCT	CCTTAATGAC	TGAGTGAACA	GTTCCTATCT	GTATATTTGA	60
	CTAAACCTTT TCCTAAGCTA					
	AAAACCATCT GGAAA					135
	SEQ ID NO:7232					
	SEQUENCE LENGTH: 238					
60	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
(CLONE: HUMGS08471					

	SEQUENCE DESCRIPTION:					
	GATCGAGCGG AAAATTCCAG	AACTGTACAA	GCCAATATTC	AGAGTTGAGA	GTCAAAAGAG	60
	AACATTGTGC TGTCTGTCAG	CATATGTATA	TCAGCTACAA	AATATATTCA	ACTTTGACTT	120
5	CTTTTGACAA AGGACTTTAG	GAAAAAGAGG	AACAAAGACA	TTATTTGAGA	ATTAAATTAT	180
	ATATTTTAAN TATGACTGTG					238
	SEQ ID NO:7233					
10	SEQUENCE LENGTH: 71					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08472					
	SEQUENCE DESCRIPTION:					
15	GATCAGTTCA GCCAAGCAAC	TGACAAATCA	AAAACCCACT	TGTCAGTTCN	GTAAAATAAT	60
•	TTGGTCAGAA A	10110111111011		101011011011	0112112111211	71
	SEQ ID NO:7234					•
20	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08473					
	SEQUENCE DESCRIPTION:					
25	GATCTAGAGG GCTTCGAGTG	AAGCCAATCA	TGTTGAACGA	ACACTGGTTC	AGTGTAGATG	60
	AANTAGAGTG AGGCGTATGC					
	AAAGGATAAG CACTCAGACT					
	AATGTATATC AAAGACTTGA					
30	TGCTGNCTTT GCTTANNATT					
	CCTAANNGTT NCCCCTNGAG				011000	347
						•••
	SEQ ID NO:7235					
05	SEQUENCE LENGTH: 93					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS08474					
	SEQUENCE DESCRIPTION:					
40	GATCTTGTGT TTTGCTATCC	TTTTTACTGT	AAAATGTAAA	TATTTTAAGG	GATATTTTGA	60
	TTCTAAATAT GATAAAATAA	TTTCTCACCT	AAA			93
	SEQ ID NO:7236					
45	SEQUENCE LENGTH: 417					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08475					
	SEQUENCE DESCRIPTION:					
50	GATCCCAATT CAACTTATCC	AGAATAATTC	TCTCCATTCT	CAAAATTTCA	NATGAGGAAC	60
	ATNNNAGAA ACTGTCTCTT	GCCAATACCT	TTAGTACTGG	AATTCTCTCA	TCTTCCTCAA	120

	CAGTCTTGGC AGCTAGGAAA	AAACAGCTGA	TTGCAATACA	ACTCAAGTAT	TTTGGATGAG	180
	CCTTTACGGT AGCTAAAAAC	CCATCCAAAA	GACTGCTAGC	CAGAGCAAAT	GTTTCTGGGT	240
	AAAGGTTGAA TTGGTACTTG	AGTTTGGCCA	GCCATTGANT	TACTTCATCT	CTCTGGGATG	300
5	GNGAACATTC TGATTTGAAG	GCATTTTCCG	CACATTCACT	TTCCACATCT	GTGNCTCCCT	360
	AGTGATTGCC TTTTCCACCA	GGAANGCCAA	TCTCTGGTTT	TCCAAAGGCC	CTNGGAN	417
	•					
	SEQ ID NO:7237					
10	SEQUENCE LENGTH: 80					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08476					
	SEQUENCE DESCRIPTION:					
15	GATCAGACCC TCCTGTGGGC	AGGGTTCTTA	GTGGATGAGT	TACTGGGAAG	AATCAGAGAT	60
	AAAAACCAAC CCAAATCAAA					80
	SEQ ID NO:7238					
20	SEQUENCE LENGTH: 409					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08477					
	SEQUENCE DESCRIPTION:					
25	GATCTGCCTG CCTCGGCCTC	CCAAAGTGCT	GGGATTACAG	GCGTGAGCAT	TTGCGCCTGG	60
	CCAGAAAAAT ACCTTTAAAA					
	TCCTCTCAAC TTAGCATGGG	GGTTGTGTCT	CAATAAACCC	ATTTTTAAGT	TGAAANCGTT	180
	ATGTGGAAAA TGCATTTTAT					
30	CCCTACAGGT GCTCAGAACA					
	AACCTATTTT ATAGGTAAAA				TGAATGGTTN	360
	CCACTTGAAT NGCGGANTCN	ANGTGTTTNN	NAACCNGTNT	GGTNNANNN		409
	070 IN VO 7000					
35	SEQ ID NO:7239					
35	SEQUENCE LENGTH: 123					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08478					
40	SEQUENCE DESCRIPTION:					
	GATCTCATAG ACTTAGTACA					
	TTGAAATAAC CTTTTATGTT	GGGCIAAAIA	CAAATATGIT	AIIAAAAINA		
	АЛА					123
45	SEQ ID NO:7240					
-	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	actu				
	CLONE: HUMGS08479					
50	SEQUENCE DESCRIPTION:					
	ordenies process stoll;					

	GATCTGAGGG GGAGAGGGAC GGGTCGGGCC AGCTGGTCAG GAAGGGCCTT GAGGGCCTGC 60
	AGCCAAGAGT AGCAGTTTTC TCCCCCGTCT TGTTGTTCTT GGTCCCTGGA CCACAGGGCA 120
	CACAGGCCTG GACACCATAA GGCTGGTGGG CTTTCAGAAT TGTGTTAGGG NNNNNNGAGT 180
5	GGCAGGTTCC TGAATCTCGG TCAATATAGT AACCAGCAGG ACAAGAGGTT CAGGAGGAGC 240
	CCACATCAGA GGCTTCTAGG GCAAN 265
	SEQ ID NO:7241
10	SEQUENCE LENGTH: 265
70	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08480
	SEQUENCE DESCRIPTION:
15	GATCTCTTGA ATTGCCATCT GTCATCTAAG TCTAAGGCTT TATGCTTAAT GANTTGTGGT 60
	GTACTAGCTG GACTAGCTTC AGGAATGTCA GTGTGTTCTA CCATTAAGGT CAGATTGTCT 120
	ACTACATCGA GATGGTGGTT GTAGTTACAG CTACTTTTAG AAACATGTCT ATTTTTTAAA 180
	GACATAACAC ATGAATGAAG AAATTCAGAA TTTGGAAAAA AGGTCCGTAA TGCCTGACAA 240
20	AGAAAAATGT TCTCCTGAGG GTCTN 265
	SEQ ID NO:7242
	SEQUENCE LENGTH: 138
	SEQUENCE TYPE: nucleic acid
25	TOPOLOGY:linear
	CLONE: HUMGS08481
	SEQUENCE DESCRIPTION:
	GATCCCAGCA CCTTCACATC TTCAGCAACC CAGNNGNTCA AATTTGACCT GGTGTTATTT 60
	TAGCCCCAAA TTTATGACAT TACACAATAT TAAAATGTAA ATGTTTCTTC ACCCAAACTA 120
30	CTTCTAGATA TNCTNGNN 138
	SEQ ID NO:7243
	SEQUENCE LENGTH: 273
35	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS08482
	SEQUENCE DESCRIPTION:
40	GATCCTTTGA GAGATGGTTT GACTTTCCCC GAGCAAAGAG CCTGCGTTGA AAAGCGGGGG 60
40	TGGAATTCAG TCCTCACAGA TAATGAGGGG ACAANACCTA ATTGANCCGN GTATTGCCGG 120
	GAAGGAAAAG GCAACGGGCC AAGCCTTTGA CAGGGTGCGA AACTGACTTT NATCATCGTT 180
	ATAGTCTTTA AATCCTGGGA AACGAGTTGG CAACCCCAAA ATAAAGAAGT GTAATGACGT 240
	CTGATGACTT CACCCAAATA CAGACCATTC CAN 273
45	
	SEQ ID NO:7244
	SEQUENCE LENGTH: 132
	SEQUENCE TYPE:nucleic acid
50	TOPOLOGY: linear
	CLONE: HIMGS08483

	SEQUENCE DESCRIPTION:					
	GATCTATAAA ACAGACAGAG	ATAAGTACAA	CAGAATATCT	CGGGAATGGA	CTCAGAAGTA	60
	TGCCATGTGA TGCTACCTTA	AAGTCAGAAT	AACCTGCATT	ATAGCTGGAA	TAAACTTTAA	120
5	ATTACTGTTA AA					132
	ano in No core					
	SEQ ID NO:7245					
	SEQUENCE LENGTH: 321 SEQUENCE TYPE: nucleic					
10	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08484					
	SEQUENCE DESCRIPTION:					
	GATCCGCCTG CTTCAGCCTC	CCAAAGTGCT	GGGATTAGAG	GCGTGAGCAT	TCATGTCCAG	60
15	CCAGCACTGT GCTGTTTTTG					
	GATTATNATT ATNCTCACTT					
	GCCCACATCC CCCAACTAGC					
	CCATTGCACT CTTTCAAAAT	-				
	AAANCTCTTT GGACCAAGAA					321
20						
	SEQ ID NO:7246					
	SEQUENCE LENGTH: 108					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear				•	
	CLONE: HUMGS08485					
	SEQUENCE DESCRIPTION:					
	GATCTCCCCA TTTGGAGACA				CTCCANNNCC	60
30	TGAAGCGTTC CTTCCCTGGA	GGAACTCTTT	GGTTGCAGGG	CTAAACTN		108
00						
	SEQ ID NO:7247					
	SEQUENCE LENGTH: 139	• •				
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS08486					
	SEQUENCE DESCRIPTION:					
	GATCTCAGCT CAAATATTCC	TTATCCAGAG	ATGCCTTCCC	CTGATTCCCT	AAACTAGACT	60
	CGGACCCCTC TGTTCTGCAT					
40	ACTTGTGGTT ACTTGTAAA	Ololuluuch	INICATOTIC	CCCITITUIA	AARCIIAIAA	139
						100
	SEQ ID NO:7248					
	SEQUENCE LENGTH: 244					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08487					
	SEQUENCE DESCRIPTION:					
50	GATCATGTGA GCTCAGGAGT					
50	TTTTATTCTA TGTTTTAAAA	TTAAAAATT	AAAAAGAAAA	AAGAATAACA	TTTTATAAGA	120

5	AAATATTTTA TGAGAGACTT TTCCTTATCT CAATAATGCT GAAA					
10	SEQ ID NO:7249 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08488 SEQUENCE DESCRIPTION:	acid				
15	GATCTAACTT GCAGTGTATT TAGGTTACAT AAAGTTTCTA GAAAATATTT ATAATAAAGT	AAGTTTCAAA	GAGTCTTGAT			
20	SEQ ID NO:7250 SEQUENCE LENGTH:96 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08489	acid		·		
25	SEQUENCE DESCRIPTION: GATCGCACTG GAAGATTTTA GGGCCACGTG GGTCCTTCAG			GGGGGGACAG	TAAACTTCCT	60 96
30	SEQ ID NO:7251 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO8490 SEQUENCE DESCRIPTION:	acid				
35	GATCTNATAT TGAACCCTAT TTCCCCGNCT CCACCCAAAT					60 118
40	SEQ ID NO:7252 SEQUENCE LENGTH:391 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8491 SEQUENCE DESCRIPTION:	acid				
45	GATCTGGAAA CTATTTGGNT CACACATCCA CCGGTGGAAG GAGGTTGAGG TGAGAGGTTT TAAAAAAAAT CAAACCAGAA	AGACGCCCGG GCCAGAGTTT	TGAAAACACC GTNTACCTCT	TGTTTGCTTT GGGTATCCCT	CTAAGCCAGT TTGTNTGGGA	180
	GAGTTTNCTT GTTAAAAAAA AATTTGTTAC ATAAAATGNC AANNNTTCAG TAGNTGGAGA	ANTTTTTTA TTTCTGTGTA	AGTAAGAAAA TANNTTATTC	AAAAAGGTAA	TANCATGGCC	300

	SEQ ID NO:7253	
	SEQUENCE LENGTH: 385	
	SEQUENCE TYPE: nucleic acid	
5	TOPOLOGY: linear	
	CLONE: HUMGS08492	
	SEQUENCE DESCRIPTION:	
	GATCATGAAT CTCTAATAAA TTTAAATCTC T	TTAAACCAGT AGGTGCTTAA TATTTTTTAA 60
		ITCTATTAAA AATATATATA TATAGGGCCC 120
10		TTTTCCAAGG TATATTATGG GGTTTTATGC 180
		ACCATTTAA CAAGGAGGG GAACTGTTTC 240
		GTCCAGAAA TGCCAAACCT TTTTAAAGAT 300
	GGTGCAACTT TGAGTCCTTG GCTTGACTAT A	ACAGGNETTG AACTTEATGG CATATCAACT 360
15	TTGNCATATC TGCAGGTGNG CTGTN	385
	SEQ ID NO:7254	
	SEQUENCE LENGTH: 414	
20	SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY:linear	
	CLONE: HUMGS08493	
	SEQUENCE DESCRIPTION:	
	GATCACCATT TNTTTCCAGG CTTTCTGCCT CO	
25		CAGCCTGTA ATGTTTATAT AAGCAGCCTC 120
	AAGGACCAAG AACCATCTGC GAAAGGACAC AG	CACAGGAAA TTCATAAAAG AAATCTGANT 180
		TAGTAATTA AAGAAAGGCA AATAGAGCTG 240
		AAAANNNTA NGACCCAATA TTGGCAAAGA 300
30		TGTGGGNGT ATACATCGGT GCAGGCTTCC 360
	TGGATGACAG TTGGGTGATA TGTGTCATGT GG	GCCTAANAG CCTCCATGTC ANTN 414
	SEQ ID NO:7255	•
	SEQUENCE LENGTH: 207	
35	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS08494	
	SEQUENCE DESCRIPTION:	
40	GATCCTGGTT TTGTGATTGA CAATATTTCA TO	GCTCTGTAG TGAGAGGAGA TTTCCGAAAC 60
40	TCTGTTGCTA GTTCATTCTG CAGCAAATAA T1	TATNATGTC TGATGTTGAC TCATTGCAGT 120
	TTAAACATTT CTNCTTGTTT GCATCTTAGT AG	GAAATGGAA AATAACCACT CCTGGTCGTC 180
	TTTTCATAAA TTTNCATATT TTTGAAA	207
45	SEQ ID NO:7256	
	SEQUENCE LENGTH: 412	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE · HIMGSORAGE	

	SEQUENCE DESCRIPTION:					
	GATCAAGAGT ACACTTCCTG	CCACTGATTA	AGGAGTGTGT	ATCTAACAGA	****	60
	ATACCCTGTG AACCCGAATA					
5	AAACAAGCAT ACAAACAAAC					
-	AAAGGTGGGT TTTTGCTGTG					
		•				
	AAATGAGCTT AAACTGCAAG					
	AAGTTTCAAC CAGAAANCCT					
10	TCTGTGNTTC TTTAGGCAAC	CAATTAGCTG	GAACCIIGGI	1110101001	LN	412
	CPA ID NO.7057					
	SEQ ID NO:7257 SEQUENCE LENGTH:406					
15	SEQUENCE TYPE:nucleic	acid				
75	TOPOLOGY: linear					
	CLONE: HUMGS08496					
	SEQUENCE DESCRIPTION:	man. mmmana	*****************************	# C # C # C C C C C C C C C C C C C C C		
	GATCTGCAAA TCAAGCTACA					60
20	TTTTCTAAGA AATATGGGGT					
	GAGAAGATTG TATTTNTAAC					
	TTGAATTTTT ACTAAATAAA					
	TGAAATCTCG GTGCTTACTG					
	CAGACCATGG TAATTTGCAG				TACCATCGTT	
25	ACGGGGTCCC NTTAAATATT	CTGGGGGGTG	ATGTAAATNT	AACGGN		406
	000 ID NO 7070					
	SEQ ID NO: 7258					
	SEQUENCE LENGTH: 116					
30	SEQUENCE TYPE:nucleic	acid		•		
	TOPOLOGY: linear					
	CLONE: HUMGS08497					
	SEQUENCE DESCRIPTION:				**************************************	00
	GATCTCCATT TCCGCCAGCT					60
35	ATTTACTGTG ACCAGATGTA	GAATAAATGT	GICTCATCCT	GCATTTTTT	ICTAAA	116
	ano in No 7050					
	SEQ ID NO:7259					
	SEQUENCE LENGTH: 435					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear				•	
	CLONE: HUNGS08498					
	SEQUENCE DESCRIPTION:	C+++CCTCCT				
	GATCACTTTT TAGTTAGTTT					60
45	GTTACTTAAA TTGAACTAAC				_	
	GTATATAATC TGACAATGTT					
	ATTTATTTGG AAAGGATTAT			-		-
	CAAGTAATTT TATCATTGTA					
50	GTGCATCTTC TATCTGCAAA					
	GTGGCCCAGG GAAAATGTGT	AIGGITTTAG	IUINCIGAAT	LUNUATTCCA	AAGGGTGCGG	4ZÜ

	AAGGTTNCTG TTAAA					435
5	SEQ ID NO:7260 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic a TOPOLOGY:linear	acid				
10	CLONE:HUMGSO8499 SEQUENCE DESCRIPTION: GATCAAAAAA GGAATGGATA 1	TACAAAGTGT	TTTGTGAAAT	AAAAGCTCCC	TAAAATGGTA	60 62
15	SEQ ID NO:7261 SEQUENCE LENGTH:389 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO8500	acid				
20	SEQUENCE DESCRIPTION: GATCGCACCA CTGCACTCCA G CAAAAAAGAA GAATAAAATA A GAGACTATTA AAGATGTGCC A	ATTTGGATGA	AAATCATGTT	TATTTAAATA	GTAATGTCAT	120
25	ATTAATATTA ATATCAAANT T CCATTCTCCT TTTACATTTT A ATGAAACTGA GTACTAAGAT T TTTAAATAAN GTTGTNCATG A	TATTGATANT ATCATGTTTC TTGGTCCAGN	CTTAAATTAT TTTTGAATAT	TGATTATTCC ATGANTTGGC	TTAACGCACT AAAGGCCTTG	240 300
30	SEQ ID NO:7262 SEQUENCE LENGTH:302 SEQUENCE TYPE:nucleic a TOPOLOGY:linear	ıcid				
35	CLONE:HUMGSO8501 SEQUENCE DESCRIPTION: GATCCCGTGC TACATCTCCT C GAACATCAAC GGGCACCAGG C					
40	TGCGTGGTAC CGCGGCGCGN C AGCAGGCCTC CAACGCCCCT G TCCAGCTCTG ACATCCCTTC C AA	TGGCCAACT	GCAAAAAAAG	CCTCCAAGGG	TTTCGACTGG	240
45	SEQ ID NO:7263 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic a TOPOLOGY:linear	cid				
50	CLONE:HUMGS08502 SEQUENCE DESCRIPTION: GATCGGAAGG TGGTGAATCT T	TCCAGAGCA	GCTGAAAATN	TCAGCATGGA	GACAGTAAGA	60

5	AAAGAGACGG GGTGTGGATA AGACTCTGCC ACCGTGTCAC ACTAGCATAG GAGGCTGCAC 120 GTTCATTTGT TGTTGTTTTT TTTTCCTTTG CCAACCTCCG TTCTATTTAT GTGCAAGCAG 180 TTTGGATTCA AGTTCTTGTA TCTGTCTGTT CTGGGACCTG GGGATTGTNA GGGTTCCCTC 240 ACAGCCAGCA CGACCCCCAG AAAGAGGCGT CCCACAATAA ACACGTCACC TGCTAAA 297
10	SEQ ID NO:7264 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08503 SEQUENCE DESCRIPTION:
15	GATCAACAGT TCTATTACAG ATTAGAATGT TTCACTTCAC
20	SEQ ID NO:7265 SEQUENCE LENGTH:442 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08504 SEQUENCE DESCRIPTION:
25	GATCCCTAAT TGGCCAGGCC TGACCCTCTT GGACCTTTCT TCTTTGCCGA CAACCACTGC 60 CCAGCAGCCT CTGGGACCTC GGGGTCCCAG GGAACCAGT CCAGCCTCCT GGCTGTTGAC 120 TTCCCATTGC TCTTGGAGCC ACCAATCAAA GAGATTCAAA GAGATTCCTG CAGGCCAGAG 180 GCGGAACACA CCTTTATGGC TGGGGCTCTC CGTGGTGTTC TGGACCCAGC CCCTGGAGAC 240 ANCATTCACT TTTACTGCTT TGTAGTGACT CGTGCTCTCC AACCTGTCTT CCTGAAAAAC 300
30	CAAGGCCCNC TTCCCCCACC TCTTCCATGG GGTGAGACTT GAGCAGAACA GGGGCTTCNC 360 AAGTTGCCAG AAAGACTGTC TGGGTGAGAA GCATGGCAGA GTTTTTCCCA GGACAGGTGT 420 TGACCAGGGC TTNTTGTTTA TN 442
35	SEQ ID NO:7266 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08505
40	SEQUENCE DESCRIPTION: GATCTTCTGA CATTACTGCT GTCTGAGATT TGTATATGTG TAAATACAAG TTCCTTGATA 60 CCCTAAAACC TTGGATTAAA CAGAATGTGC ATTGTACATC TTTAAACAAA ATGTATATTA 120 ATTTATTAAA TCTAGTTGTC ACTTTAAA 148
45	SEQ ID NO:7267 SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08506
50	SEQUENCE DESCRIPTION:

	GATCTTAATT CTGTGTCTTA	ACAGCAGGAG	ATGAAATTCC	CACATGGGAG	ATGGCCTCCC	60
	TGTCACAGGA AGGAATANCA	TTCTCCCTAT	CAATNNNGAG	AAATTGGAAC	TGNGAGAATT	120
	CTGTATAGAC CCTTGTTCAA	GTAATTNTTC	TAGTTTAAAN	CNTCCCAAN		169
5						
	SEQ ID NO:7268					
	SEQUENCE LENGTH:89					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS08507					
	SEQUENCE DESCRIPTION:					
	GATCAAAGAG TCTCATCAAA	GCAAGTTCTT	CCCTCCCTGG	TCCCCTTTGG	CTTTCTGAAA	60
	TNATTAATTA AAAGAAAGGC	CCTAGGAAA				89
15						
	SEQ ID NO:7269					
	SEQUENCE LENGTH: 225					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS08508					
	SEQUENCE DESCRIPTION:					
	GATCATTGNT TTATTTTGTA	GTCCACCTTT	CAATCACTTC	ATGTATATAA	AAAGGGACTT	60
	TGAATGTAAT AGTCTTCATC	TTATTTATTG	AAAAGATGTA	CTAAAGGAAT	GACTATTTT	120
25	AAAAAAANCT CTAGTATTTA	TCAATATGAC	TCTAAGGGAA	AAATCAAGAA	ANTTAGAGGA	180
	AGGTTCAANT TAGTAGTAAG	GAATAGGANC	NNNCATATNA	NCTNN		225
	SEQ ID NO:7270					
20	SEQUENCE LENGTH: 259					
30	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08509					
	SEQUENCE DESCRIPTION:					
35	GATCTGTAGT GATGGAGTTC					60
	CACTTCCCAT ACCCAGTCTA					
	GCCTTTNAGT TTTGGTTCCT					
	TCTTGACTTT GTATCTTCAC	TGCCAAGCAA	AAAGTCTGCC	AAGTGGGAAT	NITTAATAAA	
40	TATTCATTGA ATAATGAAA					259
.5	CEO ID NO. 2021					
	SEQ ID NO:7271					
	SEQUENCE LENGTH: 357					
	SEQUENCE TYPE:nucleic	acıq				
45	TOPOLOGY: linear					
	CLONE: HUMGSO8510 SEQUENCE DESCRIPTION:					
	GATCCCAGAA GGAATGCTGA	CCCCTCGTCG	TATGACCTCT	CCATACTCTC	CAGAGCTTCA	60
	AAGGCAACAC AAGCTCGCAA					
50	TOTOATOOTO AGCOTTATOA					

	ACCONCATE TOOLS	7.7.7.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.				
	AGGGAGCAGG TGGAGAGTCA					
	ATGGCTCCTG CTGCAACCGC					300
	TTTNATTTTT GAGANGGAAA	AAAAAAGTCA	TGTATATATN	CACATAANGG	CATANAN	357
5						
	SEQ ID NO:7272					
	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY:linear					
70	CLONE: HUMGS08511					
	SEQUENCE DESCRIPTION:					
	GATCTAAATN AACAGCATTT	TTTTCCTTAG	CCTCTGTTTG	CCACTCTGGG	TATCTCTCCT	60
	ATGGGCAAAG CCATTAGAAA					
15	TGACTTTAAA CTAGCTCTTT					
	AAAAACTGGG CTTGTNATTT					
	TTACACATAG TAAACTTTCT				didooride	265
		11/1101				200
	SEQ ID NO:7273					
20	SEQUENCE LENGTH: 164					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acra				
	CLONE: HUMGS08512					
25	SEQUENCE DESCRIPTION:					
	GATCTTCTCT TTTTTTGGGT	TCATTTCTT	CTGGGTTTTC	ርጥተተተረተተር A	CAATCTTGAA	60
	CATTTTACAG TAGAACTCAT					
	TTTTCATAAT TAAAAAGAGC				GCACAAAATC	
	TITIONIANI TAAAANAA	CITACITICI	TIACATACCA	CAAA		164
30	SEQ ID NO:7274					
	SEQUENCE LENGTH: 243					
	SEQUENCE TYPE:nucleic	ani d				
	TOPOLOGY: linear	aciu				
35	CLONE: HUMGS 08513					
33	SEQUENCE DESCRIPTION:					
		TCC+C++CCT	CATCAAGAAG		1000001000	
	GATCCGTTCC GTGGTCGCCC AGAGANGAAA GAAGGGCAGG					60
40	GAAAGATAAA GATAAGGAAA					
	AAACATGTAT TAANTAGCTT	IIIIAAIIIG	IAANIIAANA	ICITACANAC		
	. ann					243
	CEO ID NO. 7075					
45	SEQ ID NO:7275					
45	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08514					
50	SEQUENCE DESCRIPTION:					
	GATCACAGGC CTTGAGAGAG	NAGAATAAGA	CACTCTTGGG	GACAGAAAGT	TAAAACACCG	60

5	TGTGTCCTCA CTTATATGTG GGCGCTAAAA AAGTTGATGT CATAGAAGTA TAAAGTAGAA 120 CAGAGGATAT GGGAAGGTGG GAAGGGTAGG GGGAAGGGAA GGATAGGGAG AGGTTTGTTA 180 AAGGATACAA AATTACCACT CGATAGGAGG AGTAAGTNCT AAGTNCTAGT ATTCTATACC 240 ACTGTAGGAT GACTATAGTT AACAN 265
10	SEQ ID NO:7276 SEQUENCE LENGTH:261 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08515
15	SEQUENCE DESCRIPTION: GATCGCCCGC ATTCCGGAGC CTTCAAGTAA ACGGCGCGCC CCACGAGACC CCGGCTTCCT 60 TTCCCAAGCC TTCGGGCGTC TGTGTGCGCT CTGTGGATGC CAGGGCCGAC CAGAGGAGCC 120 TTTTTAAAGN ACATGTTTTT ATACAAAATA AGAACAAGGA TTTTAATTTT NTTAAGTATT 180 TATTTATGTA CTTTNATTTT ACACAGAAAC ACTGCCTTTT NATTTATATG TACTGTTTTA 240 TCTGGCCCCA GGTAGAAACT N 261
20	SEQ ID NO:7277 SEQUENCE LENGTH:260 SEQUENCE TYPE:nucleic acid
25	TOPOLOGY:linear CLONE:HUMGS08516 SEQUENCE DESCRIPTION: GATCCACATC TAGTGAAATG TCAGTGTCAA AATATTATAG ATTATAGCTA AAATCCAGAT 60 TAATACTCAT TTGGGGTTTT TAATAGTGGA ACTTCATAGT AATACAAAAA GCAGATTGTC 120
<i>30</i>	TTCCTGTCTC CGCTGCTCCC ACAGTAGGTA TTGAAACTGG TAAAANCAGT TTTTTGATAG 180 TGTGTGTATA TAAGANANNN TAGATACACA CATTCTTTTT CCTCAGTCAN CACATTGATT 240 GACCACTCTG GCAAAGATGN 260
35	SEQ ID NO:7278 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08517
40	SEQUENCE DESCRIPTION: GATCCCACTC CACCCCACCT CAACTTATTT AACTTCCTAA TTAAATCAGA CTGTTTGAAA 60
45	SEQ ID NO:7279 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08518 SEQUENCE DESCRIPTION:
50	GATCTGGAGA CTTAAAAAGA AAACAAAAAC AAATGGCAAG TTTCACTTAA GGGTGGTTTG 60 CCCTTAAGAA GAAAGCTGTT GGGACAAAGA CACCGAGCCA TTATACCCAG AATAAAATAA

	TACATTTATG CTGGATTTTA	TTCAGACCAA	ACTAAA			156
5	SEQ ID NO:7280 SEQUENCE LENGTH:329 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGSO8519 SEQUENCE DESCRIPTION: GATCATTGTT TAGAATATTT CAGTCCCTCC CCTTCACTCA TAGCTTTGGA ATCATGTAGT	CTGCAAGACC ATGTACTCTC	ACCACTGTTG ATGTCTCTGA	TGACTTTTAG AATTCATCCA	CATCTAAATG TGTTGTTGCA	120 180
15	TAATTCAGTA GTTCACTACT TAATTTGTTT AACCATTCAC TGAATAAAGC TGCTTTGAAC	CTGCTGTTTA				
20	SEQ ID NO:7281 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8520	acid				
25	SEQUENCE DESCRIPTION: GATCAGAGAA GACCCCTGAG CAATCATGTC CTGCCCAGGC CTAGCACAAG GTGTATATAT GTTATTTAAG CCCCATGTTG GTTGTCATAA ATAAAACCTG	TGCAGGCTTC GTTTTGTACC TACATTTCTG	ATTAGGCTCC TCTGCCGATG	TGCTGTCCTC GCTGTACATA	CATGATGTGA GTGTATGAAA	180
30	SEQ ID NO:7282					
35	SEQUENCE LENGTH: 195 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO8521 SEQUENCE DESCRIPTION:	acid				
40	GATCCAATTA TTAGAAAAGC GCAGCCTAGA TTTTACTATA TTATTTTTNA TGTAAAGATA TGACTTTGCT GTAAA	TTTGTTATTG	TTATCAATGG	GGGTTTGTCA	ACCTTAAAAA	
45 .	SEQ ID NO:7283 SEQUENCE LENGTH:386 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08522	acid				
50	SEQUENCE DESCRIPTION: GATCTACCTC AGTTAAACAG	TTGGGTGCTA	TTACTAAGTC	TGTCAAATTA	AATTGGAAAA	60

	AGTAACCAAA CGGTGAGAT	A CAACTCCACA	TGAAACTTGA	AATTGTAATT	TCCGTTTATT	120
	TAATGATATT TTNATTTAT	r tgtgcctttt	ATGTTGAACC	CCAATGCATT	GAAAAANTTC	180
	AGTATGAAAC AGTACATAT	T TNATTTATAT	TACAGGTGGG	AGAAAAGTCC	AATTGGTCAT	240
5	GGAATTTGAT AGACTTTTC	CCAGCCAACT	GCTACAGTGT	ATTATAATCC	CGACTGCCCC	300
	CCTGTGAAAA GANAAAAAA	A ATTGTCCANG	GGCAATTTTN	CCATTTNCNA	ACCANTANNG	360
	NCCANNCTCC TTTAAAANG	N GNGNNN				386
			:			
10	SEQ ID NO:7284					
	SEQUENCE LENGTH: 187					
	SEQUENCE TYPE:nucleie	e acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS08523					
,,	SEQUENCE DESCRIPTION:		TTTC T.C.	ጥርጥ (C) ጥርጥ ጥ	ተ ነ ለጥለጥጥጥር ነ	
	GATCAGTTAG TAGGCTTTCC AAAGTGTTAC AGCTGTCAAA					60
	ATGCAAGTNT ACTGTCATT					
	NACCTNN	AIAUIGIIAA	INICAAANIA	CONGGNATIVE	INACITITE	187
20	1110011111					101
	SEQ ID NO:7285					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE: nucleio	acid				
<i>2</i> 5	TOPOLOGY: linear					
	CLONE: HUMGS08524					
	SEQUENCE DESCRIPTION:					
	GATCTCAGAA ATTGTATCTN	AGTTGGTATC	AACCAAATGG	AGTGACTTAG	TGTACATGAA	60
30	AGCGTAAAGA GGATGTNTGG	CATTTNNACT	TTTGGCTTGT	AAAGTACNGG	CTN	113
	SEQ ID NO:7286					
	SEQUENCE LENGTH: 120					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS08525					
	SEQUENCE DESCRIPTION: GATCAAAGAG TAAGCCACAC		<u>ለሮቸዋልሮዋልሮ</u>	C.ATCC.ACCTC	TC CCCTTC	60
	TTATATTATT CATTTTACTG	-				
40	IIAIAIIAII CAIIIIACIO	IIGIAIAIGI	IIIMAAAIIII	CIAIAAIAAA	AAGCIIIAAA	120
	SEQ ID NO:7287					
	SEQUENCE LENGTH:65					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS08526					
	SEQUENCE DESCRIPTION:					
	GATCATGTGT ATGAATTGTT	GGTGCTCTAA	AGAACAGCAC	AAATAAAATN	ATTTTCAAAT	60
	TŤAAA					65

	SEQ ID NO:7288					•
	SEQUENCE LENGTH: 110					
-	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS08527					
	SEQUENCE DESCRIPTION:				•	
	GATCCGNCCG CCTCAGCCTC	CCAAAGTGCT	GGGATTACAG	GCATGANCCA	CTGCACCCGG	60
10	CCCCATTCCT CACTTTAGCC	TCAGGCAGAG	AAGACNGCGC	GATGGGGNNN		110
	SEQ ID NO:7289					
	SEQUENCE LENGTH: 296					
	SEQUENCE TYPE:nucleic	anid				
15	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08528					
	SEQUENCE DESCRIPTION:					
	GATCTGCGAC ACTGTGGACT	CAACACACTC	AACCTCTCAT	CCCANACCT	CCTCACTCAT	en
00	ATAGTTGTTC AGCAATAATT					
20						
	AGGCAGCCTT CTTGACTATA AACCAGTTAG TGCCTTCTAG			-		
	ACAAGNNTCT AAATATAATA					296
	ACAMONNICI AAATATAATA	CCITINAATA	AAAAGGWIAA	TINNGNCCCT	CIUAAA	290
25	SEQ ID NO:7290					
	SEQUENCE LENGTH: 381					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS08529					
	SEQUENCE DESCRIPTION:					
	GATCAGGTCC AAGCAAAACG	TCCAGAGTGC	TACAAAATGT	TGCGTTCTCA	GTCCAAAAAG	60
	AAGTGGAAAA GAATCTGAAG					
	CCAGAACACT ATTCAACCAA					
35	GAAGAATTGT AACCATATTT					
	AAATTGCCCC GGATGTGGAT					
	TGAATAACAC AGGAGGATGG					
	CTTTCTTCAT TGGTNCTTTC		/Blodd/iddo1	dddiniaidi	unitudanbbui	381
40		.,				001
	SEQ ID NO:7291					
	SEQUENCE LENGTH:51					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
-	CLONE: HUMGS08530					
	SEQUENCE DESCRIPTION:					
	GATCACCCCC GCCGACGGCC	CCGGGCCCCG	ACGGCCCGGA	AGTTCCGCAA	A	51
50	SEQ ID NO:7292					

55

SEQUENCE LENGTH: 347

e.	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08531 SEQUENCE DESCRIPTION:
5	GATCATTCTG TTCTTTCAAG GAGAAATAAG CCTAAAAGAA GAAAAACAAA AAAAATTCTG 60 TATAAAACTG TAATCCTTTG TATTCATGTT TACAGTGCTA TTACTATAAT NCAAAATTAT 120
	GTATGTGACT TAGAGTTATA TAATCATAAT TTATGTTTAT TTCAAATATC TAAGTTTATT 180
	GCTTGGATTT CTAGTGAGAG CTGTTGAATT TGGTGATGTC AAATGTTTCT AGGGTTTTTT 240
10	TAGTTTGTTT TTATTGAAAA NTTTAATNAT TTATGCTATA GGTGATATTC TCTTTGAATA 300
	AACCNATAAT AGAAAATAGC AGNCACCATA ANCATCTTTG TAAATNN 347
15	SEQ ID NO:7293 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear CLONE:HUMGSO8532
20	SEQUENCE DESCRIPTION:
	GATCCAGAAA CTTTTCCCAA GAAGCTTGGA CATGGATTGC TGGTAAACAC AAAAACTGCA 60
	TGGAGGCAG AGCAGCCGGT TGACTCCCCC TTGTCAATAT CTTAAAGTGG AAAAGCTTGA 120
	AA 122
25	SEQ ID NO:7294
	SEQUENCE LENGTH: 138
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:limear CLONE:HUMGSO8533
30	SEQUENCE DESCRIPTION:
	GATCATCTTT CCTGTTCCAG AGAAGTGGGC TGGATGTCTC CATCTCTGTC TCAACTTTAC 60
	GTGTACTGAG CTGCAACTTC TTAACTTCCC TAACTNAAAG ANCGACTCTG ACAGAAACTN 120
	TNTTTNCNCA ACAGTTTN 138
35	
	SEQ ID NO:7295
	SEQUENCE LENGTH:211 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
40	CLONE: HUMGS08534
	SEQUENCE DESCRIPTION:
	GATCCTTCCG GNGGAGTGTC GGAGAAGAGA GCTTGCCGAC GATGCCTTCC TGTGCAGAGC 60
	TTGGGCATNT CCTTTACGCC AGGGTGAGGA AGACACCAGG ACAATGACAG CATCGGGTGT 120
45	TGTTCTCATC ACAGCGCCTC AGTTAGAGGA TGTTCCTCTT GGTGACCTCA TGTAATTAGC 180
	TCATTCAATA AAGCACTTTC TTTATTTTAA A 211
	SEQ ID NO:7296
50	SEQUENCE LENGTH: 152
	SEQUENCE Type: pucleic acid

	TOPOLOGY:linear CLONE:HUMGS08535 SEQUENCE DESCRIPTION					
5	GATCAACGGT ACTTGTTTT		TGTGGACTTT	GTCTTTTCTC	GTTGCCACAA	60
•	CCTCTTTTAA TGTGCCTAT	A GTCCACTATA	GCATGCATAT	CTCAAATTGC	AATTCCTTGC	120
	AATTCTGGAA TAAACGCTT	r attttggaga	AA			152
10	SEQ ID NO:7297					
10	SEQUENCE LENGTH: 381					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08536 SEQUENCE DESCRIPTION					
15	GATCTGCTGA CTTATATAA		TCCTACTAAG	CTTTAAGATT	TAAAAATGT	60
	TCAATGTTGA AATTTCTGT					
	GAAGCATTCT TTCCTTCAC					
	AGACTAAGGG AATTTACAA					
20	ATTGTTTAGG GCTGGGCGG	G GTGACTCACA	TCTGTAATCC	CAGCACTTTG	GGAGGCCAAG	300
	GCAGGCAGAC CACTTGANG	G AGTTCGGGNC	CAGCGTGGCC	ACCGTGGTGA	ANCCCTGTNT	360
	CTNCTAAAAA TNCAAAATT	. N				381
25	SEQ ID NO:7298					
	SEQUENCE LENGTH: 379					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS08537					
30	SEQUENCE DESCRIPTION		1101000000	ተ ሞተር አቸር ተ እር	A A C T A C T A C T	60
	GATCAACAGC CTCCTCTCT TTGATTCTGG TTTCCCTCC					
	TAGGGGACTT GGTTTTAGA					
	GTGGGAAGGA GCAGAAAGC					
35	GCTTCAGANT TCAGAGGGT					
	CTCTACAGGA ATCTNTGGA					
	TNTGTGAATA CCCTACCCN					379
40	SEQ ID NO:7299					
	SEQUENCE LENGTH: 82					
	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS08538					
	SEQUENCE DESCRIPTION	-				
	GATCATTACA AACAAAAAC		TATATTTGAT	TCAATGGAAT	TTACCTAAAA	60
	AATAAAGACT AAAAATGTG	A AA				82
50	SEQ ID NO:7300					

	SEQUENCE LENGTH: 225					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS08539					
	SEQUENCE DESCRIPTION:					
	GATCCCTTTA TTGACAGCCA	GTTTGAGGAC	ACTGTCCCAG	CATCTCTAAT	GGAGCCTGAG	60
	CCGGTGTGAG GACCAGGATG	TCTTTTCCCA	GCCCCAAGAG	ACCTGTTGCT	GCTTTCTTGT	120
10	AATNATGGGG CTCCCCAGAG	TCTGCGTAAC	AGTCTCCCAC	TGGCTGGCTC	ACCCACAGGT	180
70	GCCATGTGCA CACTCCTGGT	TTTCAAACAA	TTCTCTGGAT	TTAAA		225
	SEQ ID NO:7301					
	SEQUENCE LENGTH: 216					
15	SEQUENCE TYPE:nucleic	acid				
,,	TOPOLOGY: linear	acru				
	CLONE: HUMGS08540					
	SEQUENCE DESCRIPTION:					
	GATCATGCAT GCCAATCCCT	GTTGCCGCAT	GGAGCTCCTC	AGCCCACTGA	CCTCTCCGTG	60
20	CCTGGTGCAG GCCAGGCCCC					
	TGGTGTTTCT ACGGTGTCTG					
	GCCTTAAACT GAAGTAAATN					216
	dollamoi dadiamin	1001101111	NOTION			
25	SEQ ID NO:7302					
	SEQUENCE LENGTH: 374					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08541					
30	SEQUENCE DESCRIPTION:					
	GATCAATTCA TGCAAGATAT	AATCATATTT	TTTAATTAAG	AAAATTTTTT	TTGTAGAGAT	60
	GGGGTTATGC TGTGTTGCCT	GGCTGGTCTC	AAACTCTGGG	TCTCAAAGCG	GTCCTCCTGC	120
	TTTGGCCTCC TAAGGTGCTG	${\tt GGATTATAGG}$	CATGAGCCAC	TGTGCCAGGC	CTGAGGATAT	180
35	TATCATTATA AATATATATG	TACCCCACAC	TGGATGACCC	${\bf AGATATAAAG}$	CAAATATTAT	240
	TAGATTTAAA GGGAGAAATA	GACTCTAATA	CAATAGTAGT	TGAGGACTTC	ACTCTACTCT	300
	CAGCATTGGA CAGATTTTCT	AGACATAAAA	CCAATAAATA	TTGGATTTAA	ATTGCACTTT	360
	ACACCAAATG GTCN					374
40	SEQ ID NO:7303					٠
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS08542					
73	SEQUENCE DESCRIPTION:					
	GATCCCATTT CTATGAAATG	TCCAGGGCAG	GCCCAGCCAC	AGAGACAGGG	AGTAACGTGG	60
	TGGTTTATTA TAAATTTTTC					113
		"I AURUMIAN	IMINIMUNUI			
50	SEQ ID NO:7304					

5	SEQUENCE LENGTH:286 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08543	acid				
10	SEQUENCE DESCRIPTION: GATCTGCACA GCCTCTAGAG CACACTCTCG TTCATCAACA CAGACTGTTA CAGATTATGA GTTTTTGACT TTTTACTAAG TATTTTATAA TAATAATGAT	TCACAACTGG GTCAACACGT TGAATATTAT	AATTCGGGAT ATATTTTCTC TTTTTAAATC	TTGTGAAGTT TTTCAAAATA TGCCTATATA	TAGAGCTGNA ATAATATTTC	120 180
15	SEQ ID NO:7305 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08544	acid				
20	SEQUENCE DESCRIPTION: GATCTAAATN ATGTACTTGT ACTCAGTACT GATGTCCTTG					60 116
25	SEQ ID NO:7306 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08545	acid				
30	SEQUENCE DESCRIPTION: GATCCCAAGT CTACCCTGGA TTAGAAGCTT TATAATCCCG CCTTTCATTA CCTGAAA					
35	SEQ ID NO:7307 SEQUENCE LENGTH:317 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS08546 SEQUENCE DESCRIPTION: GATCCCAGCT TGGTGGGAAA					
45	ATAGTGACCT TTATTTAAAT NTAAACAGCC AATTTCTAAG AGATGCAGGT TCCTGCTCAT TAGATTATCC CTGTGAATAA AAGGNTATAA ACANNAN	CAGACAGGAA TCCAGTAATG	AACTAAATAA TCTTTGAAAG	TAAGTTNATT CANNNCTNAT	NATATAACAA ATTTNTTTTC	180 240
50	SEQ ID NO:7308 SEQUENCE LENGTH:337					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08547 SEQUENCE DESCRIPTION:	acid				
	GATCTGTCAG AAAAGACATA TAGTACCAGC TTTTGGAATC ATGTAACTCC TCATAAAAAC AACATTTAT TTTGCATATA	CTTACATTTT AGTGTCTAGA	AAGGAACTTG CAAGGGCCAA	AATAATTTAA TATTGCATTG	ATATTAGATA AGATTGGATG	120 180
10	CNGTTAGNCA NTTTAGNNCN TAATNTTTTT CTAATAAAAT			TGGNAAAACA	TTGCATGNTT	300 337
15	SEQ ID NO:7309 SEQUENCE LENGTH:389 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS08548 SEQUENCE DESCRIPTION: GATCCCACCA ATCCTCGTTC AAAATAATAA CAGTTACACT					
25	TCATCATGTA TAAGCTGAAT CAGAATTTTT ATGTCCCAGC CTTGTGCAAC TTTTTTNATG CAACAGTTCT TGATTTAGCA	TTGTATTAAA CATTGTTCTC	TAGAAGTGAA AACCATTTAA	ATATTAAGGA TTTATTGAAA	AAATAAGGAA GGAGATGCTG	240 300 360
30	TTGGTTTTTG CTCTGGTACT SEQ ID NO:7310	GGGAACCGN				389
30	SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS08549 SEQUENCE DESCRIPTION: GATCCAGGTC TTCTGATTCT GATTGCAGCT CCTTATTTAC					
40	CCATCTTTC TTAAGCACTA ATACATGTTC TTGTTTGTGT ACTTGGAAAA AAAAANGCTT	TGTTTGTGTT TTGGAAAAA	TTTATCAGTA AATCTCTTTT	TTATATTCAT ACCAGCTTGC	TGTCTTTGGA ACTCGGACCA	180 240
	TNGCTTTANC TTTTTGTAGG TATCCAN					
45	SEQ ID NO:7311 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGSO8550 SEQUENCE DESCRIPTION:					

	GATCCAGCGA ACCACTGCAC	TCTAGCTGGG	GAGACAGAGC	AAGACTCCGT	CTCAAA	56
5	SEQ ID NO:7312 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS08551 SEQUENCE DESCRIPTION: GATCTCTTCC CTTAGGAAAT ACGTACTTTG AAGCATGGAG			GTCAGAGTCA	TGGTGTGATG	60 92
15	SEQ ID NO:7313 SEQUENCE LENGTH:368 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8552	acid				
20	SEQUENCE DESCRIPTION: GATCCACTTA TGAACTGAAC TAGGGATAGA TAATAAGCTC GTCTGTCAAC TATTCTACTT	TTCTTATTCA ATGAGAGAAT	TGTGTAAGGG TGGTCTGTAC	AGGTCCATAG ATTGACTGAT	AATTTAGGTG TCACTTTTTC	120 180
25	ATAAAGTGAG CATTTATTGA TTGTGCACAC ATGGAGAGAA ATTTACCAAT AAAATTATAT GGGGTCAN	CATGAGTCTC	TCTTAATTTT	TATCTGGTTG	CTAAAGAATT	300
30	SEQ ID NO:7314 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS08553 SEQUENCE DESCRIPTION: GATCACACCA CTGTACTCCA AAAAGAAAAT ATAGTTTGAT GCTAAGTAAA TTAGTAATGT	TCTTCATTTT	TTTAAATTTG	CAAATCTCAG	GATAAAGTTT	120
40	AATCTGTAAT TGCTTATTGT CTTTTGTAAC TTGATGGCTT					240 297
45	SEQ ID NO:7315 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08554 SEQUENCE DESCRIPTION:	acid				
50	GATCTTTGAA TGAGCTTTTT AATAAAGAAT CATTTAAATC		TATTATATAT	TGTTTGTTAA	AGTTTATTGA	60 86

	SEQ ID NO:7316					
	SEQUENCE LENGTH: 356					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS08555					
	SEQUENCE DESCRIPTION:					
	GATCCAAATT GTGAAGCCGT	TGGTCAGGTG	CCTGGCTACA	CACAAAATGG	TGGAGGCTTA	60
	GCCTAAACAG TTTCTTCATT					120
10	TTCTAGAAGC ACNGGNTGTA					
	CTCCCTGCAG CCAGCTGGAG					
	GCCCTCCGAG GGATTCCCGA					
	GCTTNGGTTT CNTTTNGTTA					356
15						
	SEQ ID NO:7317					
	SEQUENCE LENGTH: 349					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS08556					
	SEQUENCE DESCRIPTION:					
	GATCTGTGGG ACTGTCTGGG	CCTGTTACTC	ATCCTGCTAT	CAATTTCTTA	TTAATTAATC	60
	TTGATGATTC TNATTAATTA	ATCACATTTG	CAGGAAATTC	AGATGAGGCA	AGAAAATTTN	120
25	ATTGGCCTGG GNNNGACTGA					
	CTAAGTTATC GAGCTTAAAA					
	GCCACGCACT GTGTTGGGCT	TAGTAATAAA	ANNNAGNAAA	GGTAAGNGCT	TGTNCTNGCC	300
	TAAATTAAAG GGTCCCCGGG					349
00						
30	SEQ ID NO:7318					
	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS08557					
	SEQUENCE DESCRIPTION:					
	GATCACCTGA GGTCAGGAGT	TCAAGACCAG	CCTGGCCAAC	ATGGTGAAAC	GCTGTCTCTG	60
	CTAAAANTAC AAAANTTAGC	TGGGCATGGT	GGTGGGCACC	TGTAATCCCA	GCTACTCGGG	120
40	AGGCTGAGGC AGGAGANTCG	CTTGATTCCA	GGAGGCAGAG	GTTGCAGTGA	GCCAAGACTG	180
40	CACTGTTGCA CTCCAACCTG	GGCAACAAGA	GCAAAACTCC	GTCTCAAAAA	AAAANGTGTT	240
	TAATTATTCT AAAAAAAATT	CAGCCAGGTT	ATTCCAAATT	NTAATTGAAA	NCNGGGGCCC	300
	CAGGTTAANC GGGGCCTTAC	CCTTCCCTTN	GCNCTTTGGA	NTTTNNCCAT	N	351
45	SEQ ID NO:7319					
	SEQUENCE LENGTH: 333					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08558					

	SEQUENCE DESCRIPTION:					
	GATCAGCAGT GTTGACCATT	TATGCTGCAT	AGCTGGTATT	ATAGCCTTAT	TAGTTGTGTG	60
	GTTGACCCTT GGGGTATACA					120
5	TGAATGATTG TGCATGTTTT					
	AAAACCATTA CATTAAGATA					
	GTACCCCTTA ACCTGTCTTC					
	TGTGGAAAAC CANNAAAANN			41.141.411.11		333
	10100.22210 018.11128111111	***************************************				000
10	SEQ ID NO:7320					
	SEQUENCE LENGTH: 192					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
**	CLONE: HUMGS08559					
15	SEQUENCE DESCRIPTION:					
	GATCAGCTGA AGGTTCATGG	<u>ርተ</u> ተተተ ለ ለርተር	ですてててててですで	ለርፐር ነ ለርር ቸው	AACTGAGGAT	60
	TTCCTTGCAA TGAGTAGAAT					
20	TGATAATGTA CCATTGGGGN	CCGIIIIAAC	IGGGCCIAGG	NACCCCCTCA	NGAATAACCI	
•	GNAAGGGCCA AA					192
	570 ID NO 5501					
	SEQ ID NO:7321					
	SEQUENCE LENGTH: 55	• •				
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08560					
	SEQUENCE DESCRIPTION:					
30	GATCGTGCCA TTCCACTCCA	GCTTGGACAA	CAAGAGCAAA	ACTCCGTTTA	TTAAA	55
	SEQ ID NO:7322					
	SEQUENCE LENGTH: 78					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS08561					
	SEQUENCE DESCRIPTION:					
	GATCAGACCC CCACAATATG	TCTCAACCTC	TGTTGAAGGG	CTAGTGATGT	TTAAAAAAAC	60
40	CTGTTATTTC CAATCAAA					78
40						
	SEQ ID NO:7323					
	SEQUENCE LENGTH: 375					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS08563					
	SEQUENCE DESCRIPTION:					
	GATCTGGTAT TTCCTGGACT					
50	AAAGAGAAGG ACTCTTCCAG	AGTCATCTAC	CTGAGTCCCA	AAGCTCCCTG	TCCTGAAAGC	120
50	CACAGACAAT ATGGTCCCAA	ATAACTGACT	GCACCTTCTG	TGCCTCAGCC	GTTCTTGACA	180

5	TCAAGAATCT TCTGTTCCAC ACAGATGTAG CAACATGAGA TCTATATGAC TTCAGAAATG GTTTCAAGGT GGAAA	AACGCTTATG	TTACAGGTTA	CATGAGAGCA	ATCATGTAAG	300
10	SEQ ID NO:7324 SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08564	acid				
15	SEQUENCE DESCRIPTION: GATCCACCTG CCTCGGCCTC CCGCTTTCGA TATTTTCTAA AAACATAATA AAAATTGAAA TGTATGGATT CAGAATATAC AAAATAATAA ACGTGTTCTG	ACTTTAATTC TGAAAGAATA TAAATTAACT	AAAAGCACTT ATTGTTATTA TTTTAAAACA	TGTGCTGTGT TAAAAGTACT	TCTATATAAA AGCTTACTTT	180
20	SEQ ID NO:7325					
25	SEQUENCE LENGTH: 102 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08565	acid	·			
	SEQUENCE DESCRIPTION: GATCCCCTGA GTTCAAGAGT AATAAATAAA TAAATAAACA				CAGAAAAATA	60 102
30	SEQ ID NO:7326 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS08566 SEQUENCE DESCRIPTION: GATCATGAGG TCAGGAGACC	GAGCACCATC	CTGGCTGACA	CGGTGAGACC	NCGTCTNTAC	60
40	TAAAAATACA AAAGCAAAAA TNGGGAGGCT GAGGCAGGAG ATGGCACCAC TGCACTCCAG	AATGGCATGA	ACCTGGGAGG			
45	SEQ ID NO:7327 SEQUENCE LENGTH:176 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08567 SEQUENCE DESCRIPTION:	acid				
50	GATCTGCTCT CTGTTGAGAG CCAATGAAGG TGGGTGTGTA					60 120

	GGTTAGAGTT CTAAGTGGTA	CTTATTTTTG	TTTGGTTAGG	GGAAAGCCTG	AATAAA	176
5	SEQ ID NO:7328 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS08568 . SEQUENCE DESCRIPTION: GATCTCTGGC TGTTTGATTT GTGAGCACCA AGTACCACTA				ACAGTGCECT	60 106
15	SEQ ID NO:7329 SEQUENCE LENGTH:379 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS08569 SEQUENCE DESCRIPTION: GATCCGGCAG GCAGAGAGGA AGTGCTGTGT ACTTAGGTTC TTTTAATCTN NCTATTTNAT	TTCCTGTGCT	TCAGTCTTTC	CAATAAATCC	AGGGGTTAGG	120
25	GATAAAAGTA CTTAGATGGA AACATCATTG TGAAATTTGG CTNTACCCGG TACCATGCAA TAATTNTTTT TTATAATNN	TTTAGTTAAC	ATGCATTCCC	TGGCCTGCCT	CACACCGGAC	300
30	SEQ ID NO:7330 SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS08570 SEQUENCE DESCRIPTION: GATCCCAGCA GAATACCAAA ACTGAAATNA ATTTGGAGGC CAATTATTTA ATGTTAAGTT	ACTGATGAAA	GTAATTTTTT	NAAAGTTCTC	AGGTACTGTT	
40	GTTTATNATA CAGAATATTT TTGATAATAA ATGGAAAANT			TGTATATAGT	GATTTTNTNC	240 271
45	SEQ ID NO:7331 SEQUENCE LENGTH:382 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08571 SEQUENCE DESCRIPTION:	acid				
50	GATCGACCTG CCTCTGCTTC					60 120

	AGAATGAAGT GTTATAAAGG	CGTTAAGTAG	TAGGGNGGCA	TAAAACTTAA	ATCTTTAAGC	180
	TAGAAATAGC TTGAGGAATT	ATCTGATGCA	GTACTCTGTT	GTAATATAAC	AAAAATGGAA	240
	TCACAGTTTT ACAAATCAGG	CAGCTGCAGC	TCAGNGAGGT	TAAATTTCCA	CAGACCTGTT	300
5	TATGCAGCGC GGTAANTGAG	GAAGTAGACC	TAAAATTTGG	GGCCTCTGCT	ACTCTGGGCC	360
	ATTACCTCAG CCTCGCTGGC	AN				382
	SEQ ID NO:7332					
10	SEQUENCE LENGTH: 315					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08572					
	SEQUENCE DESCRIPTION:					
15	GATCTCACAG GAATCCTTCA					
	AATCAAAGAG CCTCTGGGAT					
	CAAAATAAAC CAAAAGGACA					
	CCTGTGTACT TTAAGTATAT					
20	ATGAAATAGT CACTTCCCCA	GTGTATTTTA	ATGCAAATGC	ATATTCTATA	AAATAACCTA	
20	TATTTTAATT TTAAA					315
	SEQ ID NO:7333					
	SEQUENCE LENGTH: 104					
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08573					
	SEQUENCE DESCRIPTION:					
30	GATCTTTAAT ATCTGATATA				TGGAAGTCAG	
30	TCACAGAATT TGGAAATAAA	TTCTAGTCTN	TCCTTAGCTN	NNNN		104
	SEQ ID NO:7334					
	SEQUENCE LENGTH: 140					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08574					
	SEQUENCE DESCRIPTION:	OFG LEGEOR L		1111001000	1001000100	
40	GATCTACCTG AGGCTCAGTC					
10	GTTGCTGTGA GGTGTCAGTG		TAAAATGCTT	AGCACAGIGA	AUTITAATAA	
	ATGGTAGTTG TGGTTGCAAA					140
	SEQ ID NO:7335					
45	SEQUENCE LENGTH: 93	: 4				
	SEQUENCE TYPE: nucleic	acio				
	TOPOLOGY:linear CLONE:HUNGS08575					
	SEQUENCE DESCRIPTION:					
50	GATCTAAAGT CTAAAAAACA	AATCCTTAGG	TTAAGAAGAA	AATAATGCAA	TAAATAAAT	60
	UNIVIANAUL CIAAAAAAAA	material	LINNUNNUNN	AND LUCKY	IMMIAMI	vv

	GTTATAAATA AATGACATAT	TGCNACTTTT	AAA			93
5	SEQ ID NO:7336 SEQUENCE LENGTH:96 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08576	acid				
10	SEQUENCE DESCRIPTION: GATCATACCC ATGAAACCCA ATCTCTTCAT TTTAAAATAA			TCAATGTTTT	TCTGTATTTN	60 96
15	SEQ ID NO:7337 SEQUENCE LENGTH:224 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08577	acid				
20	SEQUENCE DESCRIPTION: GATCTAAAAG CAGATGCTGT TAAAGGGCTT CACTAAGGGT AGGCAATAAC CTTATGCATG CAATTAATGC GGCAGTTGTG	NNNNNATGTA AACATTTCCC	CCATTGTAGG AGACTTTCAT	GGGCAATTTT GAAGCTGTTG	AAGTCAGCTA	
25	SEO ID NO. 7220					
30	SEQ ID NO:7338 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8578 SEQUENCE DESCRIPTION:					
35	GATCNATATT TAGTGACTGC AGTTATACAA ATAATGCATA GTATAATGTT CTTGTGCTTT	TATTGATAAC	TTTTATTGCA	AAAATGTAAA	TTTAAAACTT	
40	SEQ ID NO:7339 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8579 SEQUENCE DESCRIPTION:	acid				
45	GATCTGAGGA TGGTTATAAA AAAGCTGTTT ATNATNATAT ATATTTATTT AATGCACTCT	CATTCCTGAT				
50	SEQ ID NO:7340 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY: line. CLONE: HUMGSO8 SEQUENCE DESCI GATCACTTGA TT AGTCCAGCTT TAG	580 RIPTION: ITTAAGAA				ACCAGGCAAT	60 106
10	SEQ ID NO:734 SEQUENCE LENG SEQUENCE TYPE TOPOLOGY:line	TH:93 :nucleic	acid				
15	CLONE:HUMGSO85 SEQUENCE DESCE GATCTCAAAG CAA GTGGAAATAA TAA	RIPTION:			ACTAGTATTA	CCAGTGACTA	60 93
20	SEQ ID NO:7342 SEQUENCE LENGT SEQUENCE TYPE: TOPOLOGY:lines	TH:193 nucleic	acid				
25	CLONE:HUMGSO85 SEQUENCE DESCR GATCTTCGCT CCA AATCCAAATA TTG GGAGTTCTCT GTG	LIPTION: LIGCTTTCT STCGNATG SAGGTGTG	TATGCCTAAT	TTAGAATGAA	ATCTTGGGGT	GGCAGACTCT	180
30	TCACTTTGTT AAA	l .					193
35	SEQ ID NO:7343 SEQUENCE LENGT SEQUENCE TYPE: TOPOLOGY:linea CLONE:HUMGSO85 SEQUENCE DESCR	H:137 nucleic r 83	acid				
40	GATCTATAAT AAG TTATGAAAGG GTG TCTACATNCA TGT	AGCTCAA TGGCAAT					60 120 137
45	SEQ ID NO:7344 SEQUENCE LENGT SEQUENCE TYPE: TOPOLOGY:linea CLONE:HUMGS085 SEQUENCE DESCR	H:389 nucleic r 84	acid				
50	GATCCCTGGT ATN TGGTCCCTGC CTC AGAGACAAGT TGG	CAGTACT	TGTAGTACAT	CTNAAGCNAT	TTTNTTACAG	TCGATACATG	120

5	TTAATTAATC CAAATGCAGG GGAGGGATGG GAGGAGGACA TACTATTTTG ATGACAGTNG GCATNTGTAC TCTTCTACCA	CTATACTGCT TGTCTCCACT	TTTGCAAAAN	ATAACGATGA	TGGAAANTGG	300
10	SEQ ID NO:7345 SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08585	acid				
15	SEQUENCE DESCRIPTION: GATCTGTTAC CATCAGGTCA ACCTATGTTG AAAACCCCTG AATCATATCA TCTGAAATAT TACAATAACT CTTACCTAAT TTTAAAAGAT GTGTGAAATG	AAAATTCACT TACAAATTTC TATTCTTACA TTCTCTGCAA	GAAGAAAAT AAATTTCTAG AGTTTTAAGT AATAATTCAG	CATTACTCTT GTGCTATATT TGTGGTAGTT GCCACTGTCT	NTTCTCNGTA AATTCAATAT TAGTGATTTT CCTTTTATAT	120 180 240 300
20	ATNATNATNN TNGTNTGTGA AATTNTN	TGANGACCAG	TGAATTACGA	TATTTAAAGT	GAGAGACCTT	360 367
25	SEQ ID NO:7346 SEQUENCE LENGTH:23 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8586 SEQUENCE DESCRIPTION:	acid				
30	GATCCCGTCT ATAATCNAAC	AAA				23
35	SEQ ID NO:7347 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8587 SEQUENCE DESCRIPTION:					
40	GATCGGCTCC CTGTCGCGCC NNGAGACTGG GTGGGGAGGG				CTTGGGNGCG	60 103
45	SEQ ID NO:7348 SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08588 SEQUENCE DESCRIPTION:	acid				
50	GATCTGGTGG CTGGAAAAAC GTGGTTTTAC ATCCAAGACA TGGANATTCC CTGATGGANG	TTACACATTT	GCATCTGGTT	CTCCAGATAA	CATAAAGCAG	120

	ACATTGACGG TAAATNCTGA	TGGAGTGCTT	GTATCTGGAG	ACAGAAGAAA	CTCATCCAGT	240
	CAGCTGGAAA CCAGAAATTA	TCAAGNGAAA	GNGATTTTAA	TGAATGTGGA	ATTTTTCCTC	300
	TCTCTTTTT TTTCTTTTTA	ATTAAAANAA	AAAAGGCTTG	GNGTTCATGG	GGGNTTTCCC	360
5	GNCCTTN					367
	SEQ ID NO:7349					
	SEQUENCE LENGTH: 22					
10	SEQUENCE TYPE: nucleic	acid				
-	TOPOLOGY: linear					
	CLONE: HUMGS08589					
	SEQUENCE DESCRIPTION:					
	GATCCCGCCT NTTTCTTACA	. AA				22
15						
	SEQ ID NO:7350					
	SEQUENCE LENGTH: 378					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
20	CLONE: HUMGS08591					
	SEQUENCE DESCRIPTION:					
	GATCTTTTAA AAATTCATCO	CATATCCAGA	AAGTACCAGT	TATAAAGATT	GCTGACCAAG	60
	CAAAGTTTTG CATCAAAGTG	TCACCTCATT	GCTCTGACCA	AAGACTGACT	GTTGTGGTTT	120
25	TAACTCCTCT CTGTAAAGCA	TTTTGCATTT	TCCCCAAGCT	CCTTTCTGAA	AGAAGAACCA	180
	GTGCAGAGCG GCCTTTACTT	TCAATTTCTA	CTGCTGAATA	GACTACTTAG	${\bf AGAAAATGTG}$	240
	AGTTTCAGTG TGAACAGAAT	GGATTAGGAT	GACGAGTTTG	ATGGGCATTT	TCAGTACTGT	300
	ATCTAAGAAA AAAAAATTNG	CACAGCTAGG	AGCCTCTGAC	CATTGTCTGG	GTGTTTTACG	360
30	TGGGTCCTGT TCATCAAA					378
30						
	SEQ ID NO:7351					
	SEQUENCE LENGTH: 379					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS08592					
	SEQUENCE DESCRIPTION:					
	GATCAAAGTC AAAAATAGCA	ATGNCTCCCT	ATCCCTCACA	CATCCAGACA	TCATGAATTT	60
40	TACATGGTAC TCTTGTTGAG	TTCTATAGAG	CCTTCTGATG	TCTCTAAAGC	ACTACCGNTT	120
40	CTTTGGAGTT GTCACATCAG	ATAAGACATA	TCTNTAATTC	CANCCATAAN	TCCAGTTCTA	180
	CTATGGCTGA GTTCTGGTCA	AAGAAAGAAN	GTTTAGAAGC	NNNNCACAA	AGGGTTGGGA	240
	GCTGATGAAA CTCACAAATG	ATGGTAGGAA	GAAGCTCTCG	ACAATACCCG	TTGGCAAGGA	300
	GTCTGCCTCC ATGCTGCAGT	GTTCGAGTGG	ATTGTAGGTG	CAAGATGGGA	AAGGNTTGTA	360
45	GGGTGCAAGC TGTCCCAAN					379
	SEQ ID NO:7352					
	SEQUENCE LENGTH: 119					
50	SEQUENCE TYPE: nucleio	acid				
50	TOPOLOGY: linear					

5	CLONE: HUMGS08593 . SEQUENCE DESCRIPTION: GATCTGCTTT AGTGAGAGGA TCTTCATTCT CTTGTNACAT					
10	SEQ ID NO:7353 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08594 SEQUENCE DESCRIPTION:					
15	GATCAGCTAT TTTCAACATA TTGATATTTA TAATAAAATT			CATAAACACC	CTGTAGGTTC	60 93
20	SEQ ID NO:7354 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08595					
	SEQUENCE DESCRIPTION: GATCTCTGTA GACTTGCCTC	TTCTGGACAT	GACATAGAGA	AAGGAGTCAT	AAATTCTCCA	60
25	AGGTGTCTGT TTCTTCTTTA CTGGGCCCAG TCTCACACTG AGTATGGTGT TTGCTGTCCG ACACCTTTAT TTTTGTATTA	GTCCTTGCTT CTGAATGCCA	ACCCTAAATG AGAGCTTCAA	CTATTAATTC GAGTGTGTGT	CATCACTCTG AAATAAAGCC	180
30	SEQ ID NO:7355 SEQUENCE LENGTH:45 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGSO8596 SEQUENCE DESCRIPTION: GATCTCCGAT GTGATGAATA	CGAATAAAAG	GCCCTTAATG	GCAAA		45
40	SEQ ID NO:7356 SEQUENCE LENGTH:212 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS08597 SEQUENCE DESCRIPTION:					
	GATCTGTTCA TGCTTTTGTC TGGGGTGGAA AAATCACCGG AATATCTGAA ATNAAGAAAA	GAATCCCCCT	NNNAGTTCTT	TGAAAAAGTT	CCATGACTCG	120
50	TTTTAAAATG GAAAACAAAA	ATCTGAAAGA	AA			212

5	SEQ ID NO:7357 SEQUENCE LENGTH:250 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS08598 SEQUENCE DESCRIPTION:	acid				
10	GATCTAAACT GTATTTTCCA A ATTTTTCTAA TGACTTCATT C GTACTTGTAT TAAAAGATGA G CCTTTGCCCG TTAAAAGGAA A TNTTAACCAN	CTATATTATT GGAAAGCTAT	TTGTTAGGTT TAGGNTTATT	GCATAAAGAA GGNCCATGCC	GCAAGGAATT TGAAATNGGG	120 180
15	SEQ ID NO:7358 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO8599	acid		·		
20	SEQUENCE DESCRIPTION: GATCTGGCTT NGCCCTAAGC N CTGGTCCTGT ATTCTCCAGG G					60 112
25	SEQ ID NO:7359 SEQUENCE LENGTH:386 SEQUENCE TYPE:nucleic a TOPOLOGY:linear	acid				
30	CLONE:HUMGS08600 SEQUENCE DESCRIPTION: GATCTTATTT NACTTCATCC T	TTCTTGTAAC	CATATTGTNA	ATCAGGAAAG	CTCAATCAGA	60
	TACAAAAACA GGAAATTCGT 1 GACTTTTNAG AAAGCCTGTG 1 AGCAAATATC AAGCCTCCAA A	TAAAAGTAAC TGTGTTTGTA	GTTTGTAGAA ACACTCTTGT	GATACTAGTT GACCGTGCCA	GAGGAGGAGA AGAAAACGTA	120 180
35	CTGGATGATG ANTACACAAG C GANGTCCTGA TGTATAGCAA G ATGTGGGAAA TTTACTNCCT G	CTCAGTAGGC GTTCAGCAGC	TCCAAATTTC	CAGTCCGGTG	GTCCCCACCG	300
40	SEQ ID NO:7360 SEQUENCE LENGTH:341 SEQUENCE TYPE:nucleic a	acid				
45	TOPOLOGY:linear CLONE:HUMGSO8601 SEQUENCE DESCRIPTION: GATCCGGGNA TTATACAGGT #	ACTGTTGGAA	GTATCTTGGG	GATTTTCCTG	ATAAGAACAG	60
	TAGTGATTGN ATAAAAAGGA (
50	GAGGGTGCTG AAATTTTAAC A					
	IACCCIIAAA AIGIIIAAGG A	ANIUIANIII.	AAAAIACIUI	LIVVIVATVA	CVIGIOVOCY	640

	TCATTCTCCC AGCGAATGTG ATGTACACTA TAAGANTAAN				GTAAATGTAT	300 341
5	SEQ ID NO:7361 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS08602 SEQUENCE DESCRIPTION: GATCCGTCAG NCGACTCTAA AAAATTCAGA TTAAACAACC			ATGGNTTTTG	CCAGGCATCC	60 92
15	SEQ ID NO:7362 SEQUENCE LENGTH:359 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGSO8603 SEQUENCE DESCRIPTION: GATCTCGTCT GAAACAGTGT CAGAATTTCA TTTAATGATA	TTGGAAGTGG GACGGAAAAT	GTGTGGTTAC	TGAAAACTGT	ATATGATACA	120
25	GAATTTCATA AGAGCCATGC TTTCTGTAGA GACAAAAACT TTTGTTACTT AAGTCTGTGA TGTTCCATGG AATCAGTTTT	CTGTACATAT AAAACATATT	TTTGGAATCT TCTTTGGAGG	GAAGAATCCT AAAATGTATG	ATGTAAATCA CATTTATAAG	240 300
30	SEQ ID NO:7363 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS08604 SEQUENCE DESCRIPTION: GATCTCCTTA CACTGCTATT TCTACTGGAA ACTGGCTAAG CTATATCACA CAATGGATAT	ACAGTATTTA	TGTGCTTCTC	TCACAATAAC	AGGAAGATAN	120
40	TGTATATCACA CAATGGATAT TGTATATCAA AACATCATGT GANATAANTT AANATTACCT	TGCATACCTT	AAATATGTAC			
45	SEQ ID NO:7364 SEQUENCE LENGTH:358 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08605	acid				
50	SEQUENCE DESCRIPTION: GATCAGGGAT GCAGTACCAC GACCCCCAGT GATGCTTGAT					

	GGCATTTATA TAACTCTGCA					
	ATAAGAGAGC AGATGTTGGA	GAATTCTTCT	AGATTTTCAG	AACTTGAAGA	CTATTTTCTA	240
	ATTTCTATTT TTTTTCTAN	TTCAATGTAT	TTAAACTCTA	GACACAGTTT	TTATCCTGGA	300
5	TTAACTTAGA TAACTTTTGT	AGCAGTGGTT	ATATTGCTTA	TAATTTAATG	TACAATTN	358
	SEQ ID NO:7365					
	SEQUENCE LENGTH: 263			•		
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS08606					
	SEQUENCE DESCRIPTION:					
	GATCTACNGT GAATATAAAA					60
15	TTGTTCGCTC TATTGAACTG	GGTGATAATN	ATTTAGATGT	GAATGTTAGG	TCAGTTCTAC	120
	TGTAATAACT AATCGTAAAA	GTTGTAAATN	${\tt TGTTTAATGG}$	ATGAAATGTA	CANTTTTTGT	180
	ATTCTNTACA GCTTTGTCTT	TTTTAAATAT	${\tt GAAGTACTTA}$	AATGTACTTA	CTATGATAGG	240
	AAATATAATG TGTGCCTTCT	AAA				263
20	SEQ ID NO:7366					
	SEQUENCE LENGTH: 366					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS08607					
	SEQUENCE DESCRIPTION:			•		
	GATCTAAGTA AAATGTTTTG	AAGTTTATCA	GAAACTAAAT	GTACTTTTAA	AACGTATAGG	60
	GTCAGGGTTG GGGGAAAAAT	ACAGGTATAG	TAAGNAAGAA	AAGTGACCCA	TGAAGAAAGC	120
••	ATCGTGAGGT TGTATGTTGG					
30	TGGTGGCTGA TTGCCGTGTA					
	TATATTGGAA TAAAAATTTC					
	TCCCACTNCT TAAGTCACAT	GGCTTCTGTC	TTGGGAATTT	TACCTTTTAA	NANGATTATT	
	TTNAGN					366
35						
	SEQ ID NO:7367					
	SEQUENCE LENGTH: 378					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
40	CLONE: HUNGS 08608					
	SEQUENCE DESCRIPTION:					••
	GATCTTGGCT GTTCTTTCTA					
	TGAGTAAAAA TAATCATCTG					
45	CTGCGACTTT AGGTGGGGTA	TATTTTCTTC	TCCTAAGAGA	ATAGACAGTT	TTTCCAGATT	180
	CATCATCATT GACTGTCAAG					
	TGGCCTGTNT TCACGGNTTT					
	TTGTGGNAAC AACCACANGG	ANGNCAAGGC	ATCTGTNGGT	GCGGGNGGGC	AAAGCAGGCT	
	TANCTNGGGN GGTTGACN					378

	SEQ ID NO:7368 SEQUENCE LENGTH:421 SEQUENCE TYPE:nucleic	anid				
5	TOPOLOGY: linear CLONE: HUMGSO8609 SEQUENCE DESCRIPTION:	acru				
	GATCTAGAAA CCCTTTTACC	TGGCCCCAAG	GCTCTAGCCA	GTGGTCTCTG	GTGACCCCTG	60
10	CAAGCTCAGA GATGGGGNTG					
	TACATCCCAT TTATACATTC	CCTAAGCCCA	CCCCTGTNTC	CTCAGGCACC	ACCTGCCCTG	180
	GTCAGCTCCA GCCAGTCCCT					
	GTCCGAATCA CCAACTTNAC					
	CACNGATTNT ACCCAGACAA					
15	TCAGGGAGGG CAGTNTGGAC	CCAGCTTTGA	CCAGANAATT	TTTNGAGTGC	TTTGCTNGTT	
	N					421
	SEQ ID NO:7369					
20	SEQUENCE LENGTH: 189					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08610					
	SEQUENCE DESCRIPTION:					
25	GATCAGCAAT GAGTCGGCAA					60
	AAAGAAGAAC TACTATAAGA					
	CAAAGTTCCT NCTGGTAAGA	CNNCAGNTGT	NAAAANGCCA	GCAACCTGNC	CAATTICCAN	189
	TGANCCTTN					109
30	SEQ ID NO:7370					
	SEQUENCE LENGTH: 147					
•	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS08611					
	SEQUENCE DESCRIPTION:					
	GATCTGGTGG AGAAAAGAAG					60
	TGGATATTGT TTTGCATCCC		AACTGGCAAT	GAAATGTAAG	CTTTGGTTCT	
40	GAAAAAAAT AAATGTAGCT	ATTCAAA				147
	SEQ ID NO:7371					
	SEQUENCE LENGTH: 108					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS08612					
	SEQUENCE DESCRIPTION:					
	GATCCACATG CNTGTGGCAG				TTGGTATGGN	60
	CTATNCCATG TATCGGGAAT	NCTGGGCAAA	ACCTAAGCCT	TAGAAGAN		108

		258 IN MO: L	312					
		SEQUENCE LE	NGTH: 273					
		SEQUENCE TY	PE:nucleic	acid				
5		TOPOLOGY: 1i	near					
		CLONE: HUNGS	08613					
		SEQUENCE DE	SCRIPTION:					
		GATCTTTGAG	CTGTGGTTTC	TCCACCTGTG	GAATATAAAT	GTNAACAACA	TAACCTTCTT	60
	•	TCTAAGGATA	ACTTGAGAAT	TAACAGTGCA	AGTAAATGGA	AAGTATAGTA	CCTGTNACCA	120
10	,	GATATTTAAT	AGTAGTTATT	ACGAAATTGT	AACTCACTAC	CTGTNTTAGT	TGAGGTTTAT	180
		CTTCAGCCAT	GCAAATCAAA	ATCAGATTAT	TTNCACATCA	GCAGATAAGG	TTTGTNTGAG	240
		ANTCTNATTT	TNNATTTGNT	ACTCTNATTT	NNN			273
15	5	SEQ ID NO:7	373	•				
		SEQUENCE LE	NGTH:419					
		SEQUENCE TY	PE:nucleic	acid				
		TOPOLOGY: 1i	near			•	-	
	•	CLONE: HUMGS	08614					
20	y .	SEQUENCE DE	SCRIPTION:					
		GATCACAGAT	GTAGTTCCTG	AGGTTGAGTC	TCCTTCTCAG	ATGGATGTTG	AATTGGTGAG	60
		TGGGTCTCCT	GTGGCACTCT	CACCCCAGCC	TCGATGTGTG	AGGTCTGGTT	GTNAGAACCC	120
		TCCCATTGTG .	AGTAAGGACT	GGGACAATGA	ATACTGCAGC	AATGAGTGTG	TGGTGAAGCA	180
2	5	CTGCAGGGAT	GTATTCTTGG	CCTGGGTAGC	CTCTAGAAAT	TCAAACACAG	TGGTGTTTGT	240
		NAAATAGTCC	TTCCTGTTCT	CCAAGCCAGT	GAAGAGTTAT	CTGCTGGGAA	AGTGTCCAAG	300
		AGCCTGTTTT	TGAAACACAA	GCTGGGCTTC	TGGTAGTGCC	TCATCACAAC	CCATGATGGC	360
		TGTTCATGGT	TTCACCCCTT	TTNTTTCCNT	CAGCAGAGGC	CAGGCTATTG	GAGCAGTTN	419
30	0	SEQ ID NO:7	374	•				
		SEQUENCE LE						
		SEQUENCE TY		acid				
		TOPOLOGY: 1i		4014				
3:	5	CLONE: HUMGS						
		SEQUENCE DE						
		GATCCTAATT		CACCTAAAGT	CCTAGCATAC	CTGCATTTCC	AGGAAATCTA	60
		ATGAGAAAGA						
		GTAGACTATT						
4	0	TGAATAAAAT						209
		SEQ ID NO:7	375					
		SEQUENCE LE						
4	5	SEQUENCE TY		acid				
		TOPOLOGY: 1i						
		CLONE: HUMGS						
		SEQUENCE DE						
		GATCCGCAGC		ACAAGCCACA	GAANCGGGCT	CGCTCGTGCC	AGGACACAGC	60
50	0	AGTGTCTTTA						

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5	TGTCCAAGTT CACCGTCACC CAGTGTCACA GCCACAACTT CTGCNTCCCG CTCCACGGAG CCACCCCCAG CGAGTCCCAC CAATTNTTCG GGCTTTNGAG TN	CAGAAAGCAG TGTTCCNGAA CTGGACCTNT	CCATCCCGCG CACCTCCCTC TCAAAGTCAA	TGTCGTCCAA TGAACTAATC AACTCTTCTT	ACAGCAGTGC CCGGAGCACC TNGGGCCAAC	240 300 360
10	SEQ ID NO:7376 SEQUENCE LENGTH:413 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08617	acid				
15	SEQUENCE DESCRIPTION: GATCCCACCA GTTTCTGGAC CTTNNNGTTT TCATGGCTGC CTCTTGATGT CTGGNATGGC	CCCTCCAGAC	TGCGAGAAAC	AAGTAAAAAC	CCATTGGGGC	120
20	CCCCGCTTAC ACGACAACGG TGCTGGCCAC AGTGAACACCC TCTCCACACC TGAACAGTTG TTTTAACCTG GACATGCATT	CACGTTTATT GCTCAAGGGC	CCTGCCTGCT CACCAGAAGC	CCGGCCAGGA ATTTNTTTAT	CTGAACCCCT TATTATTATT	300
25	SEQ ID NO:7377 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08618	acid				
30	SEQUENCE DESCRIPTION: GATCCACAAA TGAAAGGGAT CTTAACCATA TAAATGTGGA GACAATGATT TATTAAATAT	GGCTATCAAC	AAAGAATGGG			
35	SEQ ID NO:7378 SEQUENCE LENGTH:399 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGSO8619 SEQUENCE DESCRIPTION: GATCCTAACA GCTTGCATTA TGGCTTTCAT CGGCTCAGGC					
45	TACCGGCTCC AAGAAGTCCC GGAAACATTA TATTCTAGCA ACCAAGCAAA ATTACAGTTC GCTTCTTCAA AGNGCTTTTG	TCCTAAGCCA AACATTGGNG CTCTTGGGAG GGAATTTAAA	TGAGTTCCAG GNCACATTTT AACACTGCAT TTGCTAANTA	GATGAAACAG GCATATCTCC TAAGGATGCG	ACACTGAAGA CAGCATAAGT AGACTCTCTT	180 240 300 360
50	NGGGANNTTT GGGGGGNNTG	GGTTTTNCGG	AGNGANGNN			399

	SEQ ID NO:7379					
	SEQUENCE LENGTH: 34					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS08620					
	SEQUENCE DESCRIPTION:					
	GATCGGTCCC TAAACCTCAT	TAAAATATTT	GAAA			34
10						
	SEQ ID NO:7380					•
	SEQUENCE LENGTH: 405					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS08621					
	SEQUENCE DESCRIPTION:					
	GATCTNATGG ATATGGCAGT					
	GACCTGGAGG TGGCAATTTT					
20	GTGGTGGAGG ACCTGGATAT					
20	ATGGAGGAGG AAATNATGGA	AGTGGAAATT	ACAATNATTT	TNGAAATTAT	ANCCAGCAAC	240
	CTTCTAACTA CGGTCCAATG					
	CATATGGTGG AGGAAACTAT	GGTCCAGNAG	GCAGTNGAGG	AAGTNGGGGT	TATTGTNGGA	360
	NGGNGCCGAT ACTGAGCTTC	CTTCCTATTT	NNCCATGGCA	TTTNN		405
25						
	SEQ ID NO:7381					
	SEQUENCE LENGTH: 261					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS08622					
	SEQUENCE DESCRIPTION:					
	GATCCTAGCC AGATTACCAG					
	TATGGAGAAT TINTGAATCT					
35	GAATCTTTNC AAGTAAACAT					
	TCCCATCTTT AAGGGGGAAA	CTACATGANG	TCACCGTTAC	AGTAACTTGA	TGTGTATATT	
	AATAAAAGTA ATTCAGTCAA	Å				261
40	SEQ ID NO:7382					
	SEQUENCE LENGTH: 44					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08623					
45	SEQUENCE DESCRIPTION:					
	GATCTATGTA TAGATAAAGA	TTAAACATAT	CTAGTACAAG	UAAA		44
	SEQ ID NO:7383					
	SEQUENCE LENGTH: 109					
50	SEQUENCE TYPE: nucleic	acid				

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	TOPOLOGY:linear		•			
	CLONE: HUMGS08624		~			
	SEQUENCE DESCRIPTION:					
5	GATCTGTTTC TTAAAGCTAC	AGGGTTTAAA	AAATAÄÄAAT	GAGTGAAAAT	ACTTGATGTT	60
	TCTTGAAAGA TAAATTTAAT		1.4			109
	TOTTUNANUA TAAATITAAT	ANIANIAANI	.nan i nch i na	ATACATAGA	•	103
	SEQ ID NO:7384		•			
	SEQUENCE LENGTH: 93	;				
10	- ·		14.	•		
	SEQUENCE TYPE:nucleic	acid	i Bi			
	TOPOLOGY: linear		ا الله			
	CLONE: HUMGS08625					
	SEQUENCE DESCRIPTION:		• • •			
15.	GATCATTGTG GCGTCCACAA		* MC.	TACACATTAC	CATGTATAAA	
	TTTGTGTTTG TCGATTATAT	GTCAAGAAAG	AA'A'			93
		-	. 5			
	SEQ ID NO:7385	_	Salar Salar			
20	SEQUENCE LENGTH: 54					
.0	SEQUENCE TYPE:nucleic	acid ·	Frank			
	TOPOLOGY: linear		Start L			
	CLONE: HUMGS08626		***			
	SEQUENCE DESCRIPTION:		•			
25	GATCTTAATC TTATTCTCTG	CCATCTTCAA	ATTAAAAAAA	AATTTCTTTG	TAAA	54
	SEQ ID NO:7386					
	SEQUENCE LENGTH: 140					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					'
	CLONE: HUMGS08627					
	SEQUENCE DESCRIPTION:					
	GATCCCTTCA GAAGAAGACA	TGATAGGATT	GTAAGTTTTT	NTCTAACTTT	GGATGCAGTG	60
35	AGATGACCAG TGTGTTCCAG					
	GAATCCTACC TTACATTAAA	11/11010/010/01				140
	didition inontinum					
	SEQ ID NO:7387					
	SEQUENCE LENGTH: 206					
10						
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08628					
	SEQUENCE DESCRIPTION:					••
15	GATCCACCCA CCTCAGCCTC					60
	CCTTTTTTT TTNAAAGAGA					
	GAGTTCAAGC AGTCCTCCTG		CAGNTACAGG	TACCCCCCAC	TATACATTTT	
	NAATANGGNT TCATGGNTCA	GNGGGN				206
60						
	SEQ ID NO:7388					

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5	SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08629	acid				
10	SEQUENCE DESCRIPTION: GATCCCATTG CTTTCCTGTT GTGATATTTC TATTTTNTGA AGCAATTAAA					
15	SEQ ID NO:7389 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS08630 SEQUENCE DESCRIPTION: GATCCAATTG TGGATTTATT	TACAAACATC	AAATGCCTTC	AAGCCAATCC	TNTTTGCTGT	60
00	ATGTTTTGCA GCCTACTGTA					-
20	AGGAGGAAGC TAATAAGAGA					
	TGTTGCCTTT NTACTATNNC					
	AATCTCAGGT GAACGCATCA	CTTGCCAAAC	TGTTGGAATG	CTATTTGTGT	TTTGTTGCAC	300
	TGTTTTTTC GTTTGTTTGT	TTGTTTATTT	GGTTGGCTTT	TTGGAGAGGG	AAATN	355
25					•	
	SEQ ID NO:7390					
	SEQUENCE LENGTH: 96					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
30	CLONE: HUMGS08631					
	SEQUENCE DESCRIPTION:					
	GATCTAAAAT NAGAGAAGCA	TTTAAAAAAT	NATTTCTGTC	TTGGTTCATC	TTATTGTTAG	60
	TGGTTTATGC TAATAAAAAT	TGATTTAACA	ATCAAA			96
35						
	SEQ ID NO:7391					
	SEQUENCE LENGTH: 411					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS08632					
	SEQUENCE DESCRIPTION:					
	GATCCAGATA TGTCTGTTAT	GAAAGATATC	AGTATAGGTA	AAGCCACAGG	CAGAGGTCAG	60
	TACTGATAAT TAATGTAGTA					
45	TCAAGCATGC TAGAATTGTG					
	TGGCCAAAAA CAAAAAAGAA					
	TCCCTATGGG CCTTNGGGGN					
	CAAATTININ TCACCCNGTT					
50	TGGTTCNCCC GGTCCTGNTC	ATGTTTACCG	NNCTCTTTTT	TNGNGGGTCC	N	411

5	SEQ ID NO:7392 SEQUENCE LENGTH:248 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8633 SEQUENCE DESCRIPTION: GATCTAAGTT CTAAGCCAAA		ATTCCAGGTA	CTATGCCATC	ATATAATATT	60
10	TATAAATGTG TTATATATAT ATTATACTTT TAAATTAATA TCTAAACTAT ATAAATGTAT ATATGAAA	TATGAGATAT TTTTCAAATA	GTATAAGAAT TATAAATATG	ATAGAATGAA TAGTTTCAGA	TATGTAATAA CTGAAACTGT	120 180
15	SEQ ID NO:7393 SEQUENCE LENGTH:247 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8634	acid				
20	SEQUENCE DESCRIPTION: GATCCTTCCA CCTCAGCCTC TGTGTCTTCC AGCTCTAATC GAACTTTTCT CTGCACTGTG	AGAAAGCTGC	TTGTCGAGGG	CATGGGGAAT	CAAACTGAAT	120
25	CCTTTTCAAG ATTTATATGT ATTCAAA					
30	SEQ ID NO:7394 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08635 SEQUENCE DESCRIPTION:	acid				
35	GATCCAGGCT CGTAGNTCAC TCTGAGACCT CGCTCTCTGT				ANCACCTGCC	60 108
40	SEQ ID NO:7395 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08636 SEQUENCE DESCRIPTION:	acid				
45	GATCTTGAGC TCCTGGCCTC	CAGAATTGCA	GGAGAATAAA	TNTGTGTTGT	TTTTAATGAA	60 61
50	SEQ ID NO:7396 SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS08637					
	SEQUENCE DESCRIPTION:					
5	GATCAGTGTT TGNTTGGGAC	TGAAGGGATG	ACTAATAAGG	AGCAGAGGAA	AGCTTTTGGG	60
	GATGATGGCA CTCTTCTCTG	TCTCCATTAC	GGCATTGGAT	ACAAGTCTCT	AGAACTCCCA	120
	GAACTCGTCA CTGAAAGGGG	TGAATAGTAC	TGTATGTAAA	TTAGGTCCNN	ATTTTNAAAT	180
	GGGANAAATA AATATAAAGA	CAAATTACAC	TGCTGTATTA	NNTCANNTGA	TAGATGTAAA	240
10	AGTCTAATAT ATACGTNTTT	TTCNTGATAN	NCCCN			275
	SEQ ID NO:7397					
	SEQUENCE LENGTH: 288	. ,				
15	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear CLONE:HUMGS08638					
	SEQUENCE DESCRIPTION:					
	GATCCACGCC CTTCCCGCCA	GTCTGGAGAG	GGCCCTGACC	CACCACTCAA	CCCVVCCVC	60
	TGACACAGCT ACCAATTCTA					
20	AGGGAGCTGG GGGACACTTT					
	TGAGCCACAG GCATTTCCTG					
	GCCTTTGTGN CCCNTGTTTT	GGGGGGATTA	ACCNGTTTTG	GGTTTAAA		288
25	SEQ ID NO:7398					
	SEQUENCE LENGTH: 290					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS08639					
	SEQUENCE DESCRIPTION:	T4**C4C444	ጥ ነ ሮሮ ነ ጥጥጥ ነ ሮ	ACATA A LANC	C. 1 T C T C T C T C 1	60
	GATCTAATTN CTATTTCATT CTTTGTAAAA TAACCTTTGG			-		
	TAAGTAATAC AATGAGTCAC					
35	CTGAGAATAT CATGTGGTTC		• •			
••	TTGACCATGC NGACTATCCT				0	290
	SEQ ID NO:7399		•			
40	SEQUENCE LENGTH: 267					
70	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08640					
	SEQUENCE DESCRIPTION:					
45	GATCCNTAAG TACTCTTCTC					
	GCTGGNATTT ATNGACCCGC		-			
	GCTGNTCTGT TATCTGTACT AANTCGTGCT ACACATATGT					
	GAGCACAGTC CNCCTAGTGG		INVCCILLIC	ANUACAACAU	IIUUAAIIII	267
	DOLDATOR OF CHANGING	***********				

5	SEQ ID NO:7400 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08641 SEQUENCE DESCRIPTION:	
10	GATCGGGAGC AGCCCCACTG GACCTAGGTG CCCCATCTGT TGGTCATCCA TCCTGAAGGG 6 ACAGGAAACC TCCCAGGCAG TTATTTTTTT TTCTCTATAT TTCTAGTAAA GTTTTCGATA 12 TGTTAAA 12	20
15	SEQ ID NO:7401 SEQUENCE LENGTH:168 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08642 SEQUENCE DESCRIPTION:	
20	GATCACTAGT GCAGGAGAAC ATTACATTTT CTTCTGAAGG CAAAATGCTT GTAGGTTTTG 6 CCTCTACTTT GTATTTACTT TTAAAATTGC ACTTGTTCAC CTACCAGTGT TTACGAAATC 12 CTGTATTTGG GATGCTTTTT CTATAATAAA ATATTATAAT TTGTGAAA . 16	20
25	SEQ ID NO:7402 SEQUENCE LENGTH:323 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08643	
30	SEQUENCE DESCRIPTION: GATCATAGTA AAGAGTAGTC AATAGGGTCT TCAGCTATTA ATTGTAGAGG TGATTAAAAC 6 CAACAAGGAG TTTCATGTGC AAAGGAGATA AGGAATGAAT ATAAAGATTG CTATTTGGGT 12 GGCTCTTATT AAACTGTGTA TTTTGTACTT ATCACTACAC GTATCCCCCA AATGCTTACA 18	20
35	TGGGAGTTTG AGGTTAGTAT TTTCACTTCC TTGGTGTTAG TACTCTATTC ACATTCTTAT 24 TGTAACCTTC CTCATTTCAC AGATAAGGAA TCTTTGGGGA TTAACCAACC TCCTTTCTGT 30 AATGGTAATC ATTAAANTAA GTN 32	00
40	SEQ ID NO:7403 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08644 SEQUENCE DESCRIPTION:	
45	GATCACTTAN GCCCAGGAGG CAGAGGTCAC AATGAGCCGA AATTGTGCCA ACTGCACTCC	60 94
50	SEQ ID NO:7404 SEQUENCE LENGTH:226 SEQUENCE TYPE:nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGSO8645 SEQUENCE DESCRIPTION: GATCGGGGCT TTGTGTTTAA AGTAACCTTC CAACGCTCAT GAGCATTACC TCAATCTGAA TGTCCTTCCA TATCTTCCCA	TTCCATGAGG CCTTTTTTT	CTAGAGTTCC ATGAATGCTG	TGAGAATCCT ATACTGNTCC	CTGTAGCCAT	120
10	SEQ ID NO:7405 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08646	acid				
. 20	SEQUENCE DESCRIPTION: GATCCAGTCA GAGCCAGGGA GGCTGGCACT AGGGATGGGG TAAA					
	SEQ ID NO:7406 SEQUENCE LENGTH:206 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGSO8647 SEQUENCE DESCRIPTION: GATCGACCAG CAGGTGGTCT	ATATCCATCC	TTCCAGTGCC	CTCTTCAACA	GACAGCCAGA	60
30	ATGCCCAAAG AACTTCCTCC CAAGTTTGAG GATNTGAACA GGCAGAGGNC CATCATCTCA	CTNTGGTTGC AAGAACTGGG	TGTAGGTGTC	TCATTGGAGC	AGTGCCTCTC	120
35	SEQ ID NO:7407 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08648	acid				
40	SEQUENCE DESCRIPTION: GATCCATAAG GAGGGCTGTG ATNCGGTAGC TACAGCAGCC				AAATCGTGCT	60 103
45	SEQ ID NO:7408 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08649 SEQUENCE DESCRIPTION:	acid				
50	GATCCATAAG NAGGGCTGTG	TGGAGAAGAT	TCGGGNCTGG	CTGAGGAAAA	ANCGGCTGGT	60

	GGTAGCTACA GCANCCCTTG	GAATACCCTT	TTGTCGAGGT	TTTGGGNATT	GTCTCN	116
5	SEQ ID NO:7409 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08650	acid				
10	SEQUENCE DESCRIPTION: GATCTATCAT GTATCTTGGT	GATTACAGTT	AATAATATA	TGTATATTTG	ANAATNGAAA	60
. 15	SEQ ID NO:7410 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08651	acid				
20	SEQUENCE DESCRIPTION: GATCGCACCA CCGCACTCCA AAAATAATAA ATAANNCTTT			CTGTTTCAAA	ATAAATAAAT	60 91
25	SEQ ID NO:7411 SEQUENCE LENGTH:240 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08652	acid				
30	SEQUENCE DESCRIPTION: GATCTTGTGG CTAAACCAGC GAAAGTGAAC TCTCATAATT GTAGGGCAAT TGGAATANTG AAGGAAATGT ATTTCTATAC	CAAATTGTAT TCCTGTTAGA	AAANTAAAGC TAAACAGACA	TACATTTCTA TTTAGCANTC	AGAGCTTGGT CTGACATTAA	120 180
35	SEQ ID NO:7412 SEQUENCE LENGTH:247 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGSO8653 SEQUENCE DESCRIPTION: GATCGCACCA CTGAACTCCA	GCCCGNATGA	CAGAGTGAGA	CCCTGTTTCT	AAAAACAAAA	60
45	CAAACAAACA AACAAACAAC GTGTTGTATT TTTCTGCAAA AAAAAATTGC CTTTGTTTTG TCATNNN	ATAGTGAATT	NGNACTTGGG	AGACTTCNNN	NCTTTGTTGA	180
50	SEQ ID NO:7413 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS08654 SEQUENCE DESCRIPTION: GATCCATAAG GAGGGCTGTG GTGGTAGNTA CAGCANCCCT NCCTGCTN					
. 10	SEQ ID NO:7414 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08655	acid	·			
15	SEQUENCE DESCRIPTION: GATCCATAAG NAGGGCTGTG GGTGGNANAT ACAGCAACCC					60 118
20	SEQ ID NO:7415 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08656	acid				
25	SEQUENCE DESCRIPTION: GATCTTTNTN ATATATGCAG TTTTNCCCTC CANGGCCTT TTCGAGGCCC GNCTCTTNCT	TCTCTCCAGA	GGGCACTTCG			
30	SEQ ID NO:7416 SEQUENCE LENGTH:374 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS08657 SEQUENCE DESCRIPTION: GATCCCGTTG CCTCATGGAA GCTGGTTGGG GNGCAAAACT					
40	TTGACAGCCA TCTACGACTT ATTTTNCCTT TTTGTAATGC AGGGGACATG GTGATGAAAC CAANACAGCA GCGTCGTCAA TGGNAANNAA NNNN	TGTTTATCAG ATGGCAGGNG	AGGCGGGTGA TGTACAGATA	CANGGGCTGG CCAGTGGTGT	AAATAAAGNG GTTGCATGCT	240 300
45						
	SEQ ID NO:7417					
	SEQUENCE LENGTH: 110					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS08658					

	SEQUENCE DESCRIPTIONS GATCTTTATG TCACTAGTT/ GGATGTACCG TCATTTGAGG	TAGTTAAGTT				60 110
5						
	SEQ ID NO:7418					
	SEQUENCE LENGTH: 232					
	SEQUENCE TYPE:nucleio	acid:				
10	TOPOLOGY:linear					
70	CLONE: HUMGS08659					
	SEQUENCE DESCRIPTION:					
	GATCTTTTTA ATTCAGTACA	ATCTCTGAAG	GTGTTAACAC	TAATNTTTTA	CAAGAATGTA	60
	GAGGCGACTC GGTGCTATGA	AGCGTGTTAA	ACAACTCACA	CAATTGCTAC	AAAACACCAG	120
15	GGAGGGGCTT TTTGTGTTTT	TAATTTTTAA	AACATTTTTC	CTTTTCTTGT	GAGCCATAGT	180
	AGGCCTAGAG AGATTACTGG	GTTTTTATAA	TTAAACATTT	ATTTCGGTGA	AA	232
	SEQ ID NO:7419					
	SEQUENCE LENGTH: 370					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08660					
	SEQUENCE DESCRIPTION:					
25	GATCTTAACC AGTCGAGTGG	AGTGTACATT	GTCTGAATAC	AGGATGCACA	ATGTTGTCAA	60
20	TCCTGGAAAT GGTCTTTCTT					
	AGAGGTGGCA CCTAAGGGTT					
	GTATAANCAN CTNNNGTATA			,		
	TAAAAGTAGC TGATATTAGT					
30	TTTGGGATTT NNTTTTNGGT					
	AANNANNANN					370
	SEQ ID NO:7420					
35	SEQUENCE LENGTH: 83					
33	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS08661					
	SEQUENCE DESCRIPTION:					
40	GATCTGTGTT TTAATGAGTT	TCACAGTGTG	ATTTTGATTA	TNAATTGTGC	AAGCTTTTCC	60
	TAATAAACGT GGAGAATCAC					83
	SEQ ID NO:7421					
45	SEQUENCE LENGTH: 394					
70	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08662					
	SEQUENCE DESCRIPTION:					
50	GATCCTCTCT TACCCCGTCC	CCAGGTTTGA	AACACATAGC	CTCATTTCAA	GGTGTAGCCA	60

	GGTTCCCCCG ACTTTCCTCT	GGGATATAAA	AAAGGGGGTA	AGGGGGCAAA	GAGAGCCCTC	120
	TGGGACTCTC CTCCCATACA					
	ACGTTGTGAT GATGCGACTG					
5	CCAGCTGTCC AGGGGCTGNC					
	TTTTAATNCT GTTTTGTACT	TGNCCTGTGG	GGNCTNCACT	TGCTTTTTCT	ATGGGAGACA	360
	CTTTTNAAAT TTAACAAGNI	GNGGGTTTTT	TGNN			394
	070 ID NO 7400					
10	SEQ ID NO:7422 SEQUENCE LENGTH:134					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
	CLONE: HUMGS08663					
15	SEQUENCE DESCRIPTION:					
	GATCCCCATG CCTGAGGGCC	CCTCGGCTGG	CCTGGGCATG	TGATGGCTCC	TCACTGGGAG	60
	CCTGTGGGGG AGGCTCAGGT	GTCTGGAGGG	GGTTTGTGCC	TGATAACGTA	ATAACACCAG	120
	TGGAGACTTG CAAA					134
20						
20	SEQ ID NO:7423					
	SEQUENCE LENGTH: 69				•	
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08664					
25	SEQUENCE DESCRIPTION:					
	GATCATGNGT TTCCTCATGA	GGACAAATAC	CTGATTTTGA	ATAAAGCAGC	ATTCAGTTGA	60
	AATAACAAA	•				69
30	SEQ ID NO:7424					
	SEQUENCE LENGTH: 52					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS08665					
	SEQUENCE DESCRIPTION: GATCAACATT TTTTTAAAAA		CAAAGAATTG	TGGTACAATA	AA	52
	dalcascall lillianaan	UNUCATIANA	UNNUNNIIU	Iddinomin	<i>1</i> 111	-
	SEQ ID NO:7425					
40	SEQUENCE LENGTH: 356					
	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08666					
45	SEQUENCE DESCRIPTION:					
	GATCACACAT TCAGACTGTT					
	TOTTTGCACT TOCATOCTCT					
	TCTGGAAGGC ACAGGGTGCT GGACGCTCAG CCTCAGGGCT					
50	ACAGAGGCCT TCCTAGAAGA					

	NTTNTATTTT TAATTTTTTT	GAGACAGAAT	CTCACTCTCT	CGNCCAGGCT	GGAGTN	356
5	SEQ ID NO:7426 SEQUENCE LENGTH:246 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS08667 SEQUENCE DESCRIPTION: GATCGTCGCC CCTCTGCCAA	CTGCGACCCC	TTTTCGGTGA	CAGAAGCCCT	CATCCGCACG	60
	TGTCTTCTCA ATNAAACCGG					
	TCCAGCTGTT GAGCCCCTCC TGTCCCGATT GTAACTCAAA				•	
15	AGTAAA	UUUTUUAATA	TCAAUGTCGT	TITITICATI		246
	SEQ ID NO:7427					
	SEQUENCE LENGTH: 286	. • •				
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08668					
	SEQUENCE DESCRIPTION:					
25	GATCCTTGCA GGAACCTAAG	GATTACAGCA	GCTGCAGATG	GCAGGAGCTA	CAAGCCAGCA	60
25	GCAGCCAATG CTCANTGGGG					
	TGGAATAAAA ACCAACATCA					
	GGCAACCTCG ACTCCCTGGT				NNNTGCTCA	
	AGGCTCACCT AGGATGGGTA	CAATAAAAAG	AACATGGGCT	TTCAAA		286
30	SEQ ID NO:7428					
	SEQUENCE LENGTH: 177					
	SEQUENCE TYPE:nucleic	acid				
0.5	TOPOLOGY: linear					
35	CLONE: HUMGS08669					
	SEQUENCE DESCRIPTION:					
	GATCACTAAC AGGTGATGGG					60
	TTTAACAGCC TGTCCTCCCG GGATTTTTT TTTTTTNGGN					177
40	duxililli lillillindun	TIMMITITUG	GILLINGHUN	0101010101	duccian	111
	SEQ ID NO:7429					
	SEQUENCE LENGTH: 388					
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					•
	CLONE: HUNGSO8670					
	SEQUENCE DESCRIPTION: GATCCAGGTG GTCCAGGAGC	CCAGGACACC	CCTTTNCTCT	GGGCCCTGCC	CAGACAGGGT	£0
50	TACCTGGTGA GGTGCAGAGA					120
30	GAACAAGTTC TGTCTTGGGC					

	GCATGTAAAC AAATGGGGAC ACTCTGTTCA GGAGAATAAT CCGACTGGCA TTTGTGGCAG 240
	TTTTTGAAAT GTAAATGTAT TCATGTGTGT TCTTGTAAAT ACGTGTCGCT CAGATGTCCT 300
	TTGAAGTGGG AGGGAATCAA TCCGGGGATA ATTTCAAATG GAATAGAGTA TTTTGATATT 360
5	GTTCATTCAG AGGGTGATGT GTACACAN 388
•	SEQ ID NO:7430
	SEQUENCE LENGTH: 392
10	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUNGSO8671
	SEQUENCE DESCRIPTION:
	GATCCCCACT GTCAATGGGG GATTGTCCCA GCCCCTCTTC CCTTCCCCTC ACCTGGAAGC 60
15	TTCTTCAACC AATCCCTTCA CACTCTCTCC CCCATCCCCC CAAGATACAC ACTGGACCCT 120
	CTCTTGCTGA ATGTGGGCAT TAATTTTTTG ACTGCAGCTC TGCTTCTCCA GCCCCGCCGT 180
	GGGTGGCAAG CTGTGTTCAT ACCTAAATTT TCTGGAAGGG GACAGTGAAA AGAGGAGTGA 240
	CAGGAGGGAA AGGGGGAGAC AAAACTCCTA CTCTCAACCT CACACCAACA CCTCCCATTA 300
20	TCACTCTCTC TGCCCCNATT CCTTCAAGAG GAGACCCTTT GGGGACAAGG CCGTTTCTTT 360
	GTTTCTGAGC ATAAAGAGGA AAATAAATCT TN 392
	SEQ ID NO:7431
	SEQUENCE LENGTH: 127
25	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08673
	SEQUENCE DESCRIPTION:
	GATCTTTGGG AAGGGAGACT AGGGCAGGTG GAGACAGCGC AGAACCCCCG TGCTGGGTGG 60
30	GAAGCATGAC CACACGGTGG GTGAGCAGCC CCCATGCACT GATGGTAAAT TCCCCTGTGG 120
	ACTCAAA 127
	SEQ ID NO:7432
35	SEQUENCE LENGTH: 353
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08674
	SEQUENCE DESCRIPTION:
40	GATCTGTCTG GCATGTCAGG AGCCAGAGAT ATTTTNATAT CAAAAATTGT CCACAAGTCA 60
	TTTGTGGAAG TGAATGAAGA GGGAACAGAG GCGGCAGCTG CCACAGCAGG CATCGCAACT 120
	TTCTGCATGT TGATGCCCGA AGAAAATTTC ACTGCCGACC ATCCATTCCT TTTCNNNTT 180
	CGGCATAATT CCTCAGGTAG CATCCTATTC TTGGGGAGAT TTTCTTCCCC TTAGAAGAAA 240
45	GAGACTGTAG CAATACAAAA ATCAAGCTTA GTGCTTTATT ACCTGAGTTT TTAAATAGAG 300
	CCAATATGTC TTTATAANCT TTNCCCANTA AAAACCCACT TGTCCCAAAG AAA 353
	SEQ ID NO:7433
50	SEQUENCE LENGTH: 399
JU	SEQUENCE TYPE:nucleic acid

	TOPOLOGY: linear					
	CLONE: HUMGS 08675 SEQUENCE DESCRIPTION:					
5	GATCTAATTG GCTTTTATTA	CCAATTCATC	ACCCCCCCAC	CATCCACTCT	ACAAAATAGA	60
	AAGGAGTGCC ACTAAGCTAG					
	AGCAAGAACA ATGAACAAAT					
	AGTAAACAAA ATCTTGTTAG					
	TCATATCTTG TAAGTGAACC					
10	TCCATTTTGG GGCCTGCTGC					
	GNNGAGCACA CANNATGCCC					399
	SEQ ID NO:7434					
15	SEQUENCE LENGTH: 230					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08676					
20	SEQUENCE DESCRIPTION:					
	GATCCTGACC ATATTCCTCA	AGGTCTCCTT	TTCCTTCCTC	CAGTGTAACA	AAATTCCCTG	60
	CTGGCGTCCT ATGTAAAGAT					
	GGGTGGGAGA AAAGAAAGTG					
25	CTGGCGCTTA ATAAGAATAA	GTAATAATAA	AGAAATTTCT	AACATTCAAA		230
25	SEQ ID NO:7435					
	SEQUENCE LENGTH: 153					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
30	CLONE: HUMGS08677					
	SEQUENCE DESCRIPTION:					
	GATCCTGAAA ATAGCCCCGT	GAAGGCAGAA	ATGTATGTGA	CTAGAACGAG	GCCACATGAA	60
	TAAGCCACTG CCCACTGGCA	${\tt GGAGTGAAAA}$	CTGAAGCGCT	CCTTACCTGA	AGGACCCCAA	120
35	AACCATATAG AATAGAATAA	CCAGGAGTTC	AAA			153
	SEQ ID NO:7436					
	SEQUENCE LENGTH: 138					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear				•	
	CLONE: HUMGS08678 SEQUENCE DESCRIPTION:					
	GATCTCACAA GCNCTTTCCC	TOTTOGTOCO	ፕሮ ልር ተተ ፕሮሮተ	CACCTATCAA	ACACACAAAA	60
45	TAAAAGCACT TATTTATTGT					
	CAGCTGTGCC ATATTAAA	Turruunuuc	·	INGINGNINI	UNGUCATITU	138
	SEQ ID NO:7437					
50	SEQUENCE LENGTH: 361					
	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY: linear CLONE: HUMGS08679					
	SEQUENCE DESCRIPTION:					
5	GATCATGGCT AAAGATGACC	TCTCTGGTGC	TGACATCAAG	GCAATCTGTA	CAGAAGCTGG	60
	TCTGATGGCC TTAAGAGAAC					
	AGAAAATNTT CTTTATAAGA	AACAGGAAGG	CACCCCTGAG	GGGCTGTATC	TCTAATGANC	180
	CATGGCTGTC ATCAGGAAAA	TGGTTGGGAG	ATTTCTCAAT	CCCTGAAAGG	ATGAGGTTGG	240
10	GGGAGTTGCC CAGAGGAATC	CCTGTTCCCA	CTGATTTTTA	TTAGCAAAAC	ATCCTGTGTC	300
10	TTTTGGAGTA CGNTGTGTAA	GTGCCCATTG	GGTGGCCTGT	TNGGTCACTG	TGCAGCAGTT	360
	N					361
	SEQ ID NO:7438					
15	SEQUENCE LENGTH: 273					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08680					
20	SEQUENCE DESCRIPTION:	ACCCACCONT.	TCT1C1C1C1	0010010700	101000000	
	GATCAAAGTG TAAACACCAT GTCCACACCC AGCTCAGCAT					
	GATGTCTATT CTTGTTGGAG					
	AATTCCTTGC ACATAGTAGG					
25	GCCATAAAAA TAAATNNGGT				1101011110011	273
	SEQ ID NO:7439					
	SEQUENCE LENGTH: 173					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS08681					
	SEQUENCE DESCRIPTION:					
	GATCAGAGGA ATGTTATNTT					60
35	AAATACTCAG AGCAATCCTA					120
	CATACCCCAT CACAGCAACT	GAAAACAAGA	GAAATGTTAG	TTTTCTGTGG	AAA	173
	SEQ ID NO:7440					
	SEQUENCE LENGTH: 194					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08682					
	SEQUENCE DESCRIPTION:					
45	GATCTCTTGA ACTCTGGGTT					
	ACACTGGGGC TGCCTTTCTC					
	GGGTCTGATG CTGAGTCCCA	CTTAGCTTGG	GGTCAGAACC	AAGGGGTTTA	ATAAATAACC	
	CTTGAAAACT GAAA					194
50	SEQ ID NO:7441					

	SEQUENCE LENGTH: 132					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS08683					
	SEQUENCE DESCRIPTION:					••
	GATCANATGA AGAAAAGGAG					
	AAAANCTTGA AATATAATTG	AAAUAAUAAA	CAACACCAAA	NAAGCUTAAN	CCTAGCCTCT	
10	GANCANCACT AN					132
	SEQ ID NO:7442					
	SEQUENCE LENGTH: 208					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08684					
	SEQUENCE DESCRIPTION:					
	GATCAATCTG AGGAGACTTA	ATAATGATAT	TNATTCTCCC	AATTCATGAA	TATAGTATAC	60
	CCCTGTATTT ATTTGTNTTC	TTGAATTTCT	TTTATCATTG	TTTTGTAGTT	TTCACCATGA	120
20	CAGTCTTGCA CATATTTTGT	TAAATGTACA	GCTGAGAATT	TAATTTTTCC	TGGTGTACAA	180
	TGCTAATAAA ATGGTGCTTT	AAAAGAAA				208
	SEQ ID NO:7443					
25	SEQUENCE LENGTH: 244					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08685					
	SEQUENCE DESCRIPTION:					
30	GATCCTCTAA GGTTCTACAG	TTTACTTCTT	GTATTCTCCT	TTGTAAGTCA	TCTCCAAGAC	60
	GATGTCCAAA TCCATCACCA	TTAAAATTAA	TAGTTTCCTC	ACCCACAACA	CTTAATATTT	120
	TAAAAAANGA TACTTTTCAT	TGTATTATAA	TTACTTGATA	CATACATATT	TGCTCTGTGA	180
	GTTCCTTATT CATCATATTA	GTGCCTGACA	ATAAATGTGT	GCTGGATTGA	GCTGAATCTT	240
35	TAAA					244
	SEQ ID NO:7444					
	SEQUENCE LENGTH: 323					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS08686					
	SEQUENCE DESCRIPTION:					
	GATCCTGCAA TTCCACTTAT					
45	CATATTTGTA CACCAATATT	CATAGCAGCT	TATTCACAAG	ACCCAAAAGG	CAGAAGCAAC	120
	CCAAATGTTC ATCAATGANT	GATTGATTGG	CTAAGCAAAA	TGTGATATGT	NCCTAACGAA	180
	GTATCCTTCA GCCTGAAAGA					
	TGANANCTTT ATGCTAAGTG		GACATCANCA	GATAANTAGT	TTATGNTTCC	
	ACCTACATGN GGTACTGNGA	GTN				323

5	SEQ ID NO:7445 SEQUENCE LENGTH:318 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08687 SEQUENCE DESCRIPTION:	
	GATCCTCCTG CCTCATCCTC CCAAAATNCT GGGATTACAG GCATAAGCCA CCGTGCCTGG 6	0
	CCTCTTTAAT AATNTTNAAA ATACCCTAAA GGCTTGTGAA TATACAAGTC TACTGATAAA 12	0
10	TTATGTATTG TCTGGGAATT TGATAGTNAT TGTTTTAGAT AACTGGNTTT TACGCTGTGG 18	0
	TAGNONGGOT GTGACACTAG TGTTGCACAG GTGTAATTGG TCATCCTATG CCTTCACCAG 24	0
	AATAACTTGG GAGTGGTGCC AGAANCTAGA GTCTACAATT CTCACTGTTT AGAGAGTGTT 30 ANTGNCATAC TGTGTATN 31	
15		
	SEQ ID NO:7446	
	SEQUENCE LENGTH: 317	
	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
	CLONE: HUMGS08688	
	SEQUENCE DESCRIPTION:	_
	GATCAAGATA GTAGTATTAT TACACAAGAA ACTTGGTCTG CAGTCTGGAA GCTTGTCTGC 6 TCTATAGAAA TGAAAATGCA GCATGAAGTT GACATTGTGG AAATGAAAGT AATTGGGTAT 12	-
	TAGAAATCTG AAAGTACTGT CATCTAANAG CAATTGTGAT TTTNTTGTAA TTGGTTGTCA 18	
25	CTGTTGTNCG GTGTCTAGNG TTANNGAATA CATGTNANCT TTCATGGTAT TTNGCCTTTC 24	
	TTAANTTTTT TTAAAATTTA ANCTTTCTAA CCTATGTATT CAACTTCTGT ATTTATATNT 30	
	NATCAGTGGT TCATGTN 31	
30		
30	SEQ ID NO:7447	
	SEQUENCE LENGTH: 284	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS08689	
35	SEQUENCE DESCRIPTION:	
	GATCATCAAA GAAAGACAGG GTGACCTGAG GATTATATGT TCAGCCAAGC TCCCCTCCAA 6	0
	GCATAAAGGC TACAGATAAC CATTTGTACA TATTCAGGAA CTGGAGTAAT GTGATTCCAA 12	
	TGAGCCTGTC TTGAAGGAAC TCCTAGGGGA TTAACTTCAG CTAACCTGGG AAGTTATCTG 18	
40	GAGAAACCAC AACAGAAGGA CTGGTTGTAG TTCGAGGCTG TAGTCAGCTA TGATTGCACC 24	
	ACTGCACTCT AGCCTGGATA ATAGAGCAAG ACTTTGTCTC CAAA 28	
	SEQ ID NO:7448	
45	SEQUENCE LENGTH: 324	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS08690	
50	SEQUENCE DESCRIPTION:	
50	GATCCCTAGT ATAACACATT CAGTGTTCCC CTTTCAGTCT TACTACTTTN ACCGCGATGA 6	0

	TGTGGCTTTN AAGAACTTTG	CCAAATACTT	TCTTCACCAA	TCTCATGAGG	AGAGGGAACA	120
	TGCTGAGAAA CTGATGAAGC	TGCAGANCCA	ACGAGGTGGC	CGANTCTNCC	TTCAGGATAT	180
	CAGGAAACCA GACTGTGATG	ACTGGGAGAG	CGGGCTGANT	GCAATGGANG	TGTGCATTAC	240
5	ATTTGGAAAA AANTGTGAAT	CAGTCACTAC	TGGANCTGCA	CAANCTNGCC	ACTGNCAAAA	300
	TTGACCCCCN TTTGTNTGAC	TTCN				324
	SEQ ID NO:7449		•			
10	SEQUENCE LENGTH: 324					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08691					
	SEQUENCE DESCRIPTION:					
15	GATCACCTGA GGTCAGGGGT	TCGAGACCAG	CCTGGCCAAC	ACGGTGAANC	CCATCTCTAC	60
	TAAAAATGCA AAAATTAGCC	GGGCGTGGCG	GCACATGCCT	GTAATCCCAG	CTACATGGGA	120
	GGCTGAGGTG GGAGAATTGC	TTGAACCCAG	GAGGCGGAGG	CAGAGGCTNC	AGTGACCCAA	180
	GATTGTGCCA CTGCACTCCA	CCCTGGGCAA	CAGAGCAAGA	CCCCATCTCA	AAAATAAATA	240
20	ANTATATATA NAAAATAAAA	NGCTATTTCT	NGNNNNTTTC	ACTATAAAGT	TTTGCTTTAT	300
20	TAAAAAGCTA NTANGCAGCT	ATTN				324
	SEQ ID NO:7450					
	SEQUENCE LENGTH: 326		•			
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08692					
	SEQUENCE DESCRIPTION:					
30	GATCTTAAAC TCAGTAAGCC	ACTATCTGCA	ATTTTGTACA	TTATATAGTA	TTTTGAAGAT	60
	ATGGAACCTT ATGAAAAAAA					120
	TGTNCTGCAA ATAGTGTGTG					
	NATTGCCTAG AACTTCAACA				3.0	
	AATTCTCATC TGGATGTTAC					
35	TGTGACAGTT TTTCAGTACT					326
	SEQ ID NO:7451					
	SEQUENCE LENGTH: 38					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08693					
	SEQUENCE DESCRIPTION:					
45	GATCTNGTGG GCATAAATAA	AGGTGTCATA	AAGACAAA			38
45	4					
	SEQ ID NO:7452					
	SEQUENCE LENGTH: 83					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
	CLONE: HUMGS08694					

	SEQUENCE DESCRIPTION: GATCTTAAGA AGTGCTTTGA CAATAAAGCC ACAAGAGCCC		ATCAGGGGTC	CAAGAGAGAC	CCCAGTCCCT	60 83
5						
	SEQ ID NO:7453					
	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS 08695		•			
	SEQUENCE DESCRIPTION:					
	GATCTACACT CCAGGCCGGA	AAGAGCAAGG	GGAGCCCATG	ACCCCTCGCC	GCACGCCAGC	60
	CCGCTTTGGT CTGTAAGCTG					
15	CAGCCTTCTG GCGGGAGCCT					
	TGTNCATATN ACGGCCCCCC					
	TGGAGTTCTT CCATGCAGGA					
	GCTGCCGNGG CACGGNGAGG					351
	dolacounda chedanahad	INCINCACC	CATCUCATO	AAAANIAUUA	N	301
20	SEQ ID NO:7454					
	SEQUENCE LENGTH: 55					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acia				
	CLONE: HUMGS08696				•	
25	SEQUENCE DESCRIPTION:					
	GATCTAAGGT TTTAAAAGAA	TTTCCTTTCA	****	TTCTCTTCAA	CCAAA	55
	UNICIANUUI IIIAAAAUAA	TITUUTTION	AAAIAIACAU	IIdiciidaa	duana	33
	SEQ ID NO:7455					
30	SEQUENCE LENGTH: 61					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08697					
	SEQUENCE DESCRIPTION:					
35	GATCTGTTCT GTTTCACCAT	GTAACACACA	ATACATGCAT	CCACTGTATT	AGTGTTAGAA	60
	A	diancheron	AIACAIGCAI	deacidiaii	AUIUIIAUAA	61
	n.					01
	SEQ ID NO:7456					
40	SEQUENCE LENGTH: 273					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	acru				
	CLONE: HUMGS08698					
45	SEQUENCE DESCRIPTION:					
45	GATCCCATTT TCCTCTGACG	TOCACOTOOT	ACCCCATAGG	AGTTAGAAGT	TAGGGTTTAG	60
	GCATCATTTT GAGAATGCTG					
	AAATATTTCT TTAAAAGAAG					
	TAGAGTTGGC TTTTNTTTTT					
50	GGGGTTTTTN NANTCCCNGT					272

	SEQ ID NO:7457					
	SEQUENCE LENGTH: 363					
	SEQUENCE TYPE:nucleic	aaid				
5	•	aciu				
	TOPOLOGY: linear					
	CLONE: HUMGS08699					
	SEQUENCE DESCRIPTION:					
	GATCTTAACC AGTCGAGTGG					
10	TCCTGGAAAT GGTCTTTCTT					
	AGAGGTGGCA CCTAAGGGTT	•				
	GTATAAACAA CTNTTGTATA					
	ATAANAGTAG CTGGATANTT					
	CACTTTGNTN CATTTTGGGG	GATTTTCCTT	GTGGGTTGNN	TTAAAANTTG	CATATGCTTA	
15	NGN					363
	SEQ ID NO:7458					
	SEQUENCE LENGTH: 173					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08700					
	SEQUENCE DESCRIPTION:					
	GATCCGTATT TCCAATAAAA	TCCCCTACCT	GAATATTCAA	GTTAAACATG	TCCAGAATAC	60
25	TTACTGATTT TATTGTTAAT	AGCCACTATT	CTGTTGTCTG	GAATTAAAAC	CTGTATAACT	120
	AATTTGCATC CCTTTATCTT	CTTAGTCAAT	AAAACCTACA	ATCCTCTTTC	AAA	173
	SEQ ID NO:7459					
30	SEQUENCE LENGTH: 349					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08701					
	SEQUENCE DESCRIPTION:					
35	GATCACCCCC CAACTTGCCC	TTCAAGTTCT	ACTTCAGTTT	GATAAGGCTA	TAAATGCAGC	60
	ACTGGCTCAG AGGGTCAGGA	ACAGAGTCAA	TTTCAGGGGC	TCTCTAAATA	CGTACAGATT	120
	CTGCGATAAT GTGTGGACTT	TTGTACTGAA	TGATGTTGAA	TTCAGAGAGG	TGACAGAACT	180
	TATTAAAGTG GATAAAGTGA	AAATTGTAGC	CTGTGATGGT	AAAAATACTG	GCTCCAATAC	240
40	TACAGANTGG ATAGAAAANN	TATGACTNNT	TTACACCATC	TTCCTGTTAT	TCATTGCTTT	300
40	TTGAAGAGNA GCATAGANGA	GACTTTNTTN	TTTTATNCTN	GGAATTTTN		349
	•					
	SEQ ID NO:7460					
	SEQUENCE LENGTH: 395					
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08702					
	SEQUENCE DESCRIPTION:					
50	GATCTGGAGT AAGGAATATT	GTCATCACCT	GGATTTTGAG	AAAGAAAAAT	AACTTCTCTG	60
JU						

	CAAGATTTCA TAATTGAGAG	AATTCCTGAG	TTGATAGCTC	TAAAGGCAGA	TATGCTGTAT	120
	TTGCCTACTT TAACCCATTT	TTCAACCTGT	TTGTTTTTTA	ANNGGNTTCA	CTAAGGGTTG	180
	ATATGTACCA TTGTATGGGG	CAATTTTAAG	TCAGCTAAGG	CAATAACCTT	ATGCATGAGC	240
5	ATTTCCCAGA CTTTCATGAA	GCTGTTGAGG	TCCTAGGCAA	TTAATGCAGC	AGTTGCGATA	300
•	AATAAANGNC NTCTCACCTA	AGNNTCCNTT	TTCTTCNATA	ACCATGGTTC	CTGGNCATGN	360
	TTGGGAGGCT NCTCGGCTTT	AGGGNAANGG	GGTTN			395
••	SEQ ID NO:7461					
10	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08703					
15	SEQUENCE DESCRIPTION:					
	GATCGCCTCC CAACAGCAGA	TTTCGACATT	ACCTGAGAGT	CTTGATTTTA	GGCTTGTTTT	60
	TTGTAAACCC ATGTGTTTGT	AGAGATTTTA	GGCGTCTTCG	GATATCTTCT	CACCTATGTT	120
	CCCTGGCTAA GAAGTCAGAG	GTAGCCAATG	TTTCCTTAAA	TTCATTTTTA	AACTTACCAT	180
00	TGGTGCATAT GTTCCAGATG	GCAGATGCTG	TCAATAATCT	CACCATTGAT	GACCTTTGTG	240
20	TATGTAGTTC TTGCATCCTA	TACTGGATAA	GCCTGTTTTA	ACCTGCTATG	ATGGGTGCTT	300
	TCCATTGCTT CNTAATCTTC	ATGGAGGGTT	GCCATGCTTT	TTGCCNN		347
	SEQ ID NO:7462					
25	SEQUENCE LENGTH: 274					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08704					
	SEQUENCE DESCRIPTION:					
30	GATCGGNATG TAATAACAGC	ATTAACTCAC	AGACCTTGGA	GCCTAAGCCA	TACAGGAGAT	60
	GGGAAACCAC GCTATGATAC	TTNCTGGAAA	CATTTTATAT	TTNTAATGAT	GGACATTTTN	120
	CTCGATTGGA GCATGCATAA	TANCTTGTGG	TACCTGTGTG	GAATTTCANC	TTTCCTCATG	180
	CAAAAGGATT TTNTATCCCC	GGCCTACTTG	ANGAAGTGGT	CAGCTAANGG	NNTCCAGGTT	240
35	GTTGGTTGGA CTGTAATACC	NTTTGATGAN	AAGN			274
	SEQ ID NO:7463					
	SEQUENCE LENGTH: 69					
40	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS08705		•			
	SEQUENCE DESCRIPTION:					
	GATCAGAAAC TTGCATATGC	GTGAAAAAAG	GAAGAGCAGC	AGAAAATAAA	TAAATGACAG	60
45	GAAAGCAAA					69
	SEQ ID NO:7464					
	SEQUENCE LENGTH: 199					
50	SEQUENCE TYPE: nucleic	acid				
•	TOPOLOGY: linear					

5	CLONE:HUMGS08706 SEQUENCE DESCRIPTION: GATCTATAGC AATGTGATTT GTTTCTTTT GCTTAAGCAC AATCTCTNTT GNNCTTTNTA GTTTCAGTTA AAAAAANAN	TATTTTTAAA TTCATCAATT	GCTTTATTCT	GTATCTGCGA	AGTNATCTGC	120
10	SEQ ID NO:7465 SEQUENCE LENGTH:320 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS08707 SEQUENCE DESCRIPTION: GATCACAAAC TTGGAGGGCT AGTTATTAAG CCTTGTTTAA	GAATATTTT	ATTTTGTACA	TCAAGTGGAG	TTGGAAATAG	120
20	TTGGTTTCAT AATGATATAT CAGGGCACAC ATTCCTCCTG ATTTAGAAAA NNTTAGTATG GGATACATGC TATATTCAAA	TAACATCCCA	AGTGGTTATT	AAGCAAAACA	GATTTATTTT	240
25	SEQ ID NO:7466 SEQUENCE LENGTH:311 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGSO8708 SEQUENCE DESCRIPTION: GATCACTTAC AGGTGCCCTC CCACTGGGGC CTCCACAGCC GGTGTTCACT GGCCAGACCC	CTCTGGAAGA	AGGGGCTGAC	TGATAGGAAG	GCACTCCTCT	120
35	CTCTAGACAC ATTTTTATAA TGAGCAGATG ACATTGCCTC AATTCATGAA A					
40	SEQ ID NO:7467 SEQUENCE LENGTH:434 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08709 SEQUENCE DESCRIPTION:	acid				
45	GATCATCAAC AAAGACTTGT AAGATGAATT AAATGGGTAG GATTTGGGGG GGATACCTCA	ATAGTGATGC GTTCATGTGG	ATACCTGTAT AAGGGACAGT	TCACTGATGT CTCGGTGTGT	ATGTTTAAGG CCCATGAATA	120 180
50	ACCTTGGAAC TGCAACAAAT CAGTTTCCCT GGAGCTGGCC CAGGCATAGA GATGATGTNC	ATGAAGGCCT	TAGAAGCCAT	TTCTGGTGTC	TGGTGGGTAG	300

	ACCTTNTATC CATTANTING (TGGGCCAAAA TTIN	GGGAAGGTCC	TTCCCTNGGG	NAACCAATGN	CCTTTTTTGN	420 434
5	SEQ ID NO:7468 SEQUENCE LENGTH:414					
	SEQUENCE TYPE:nucleic a TOPOLOGY:linear	acid				
10	CLONE: HUMGS08710 SEQUENCE DESCRIPTION:					
	GATCGAGCTG TGGACTTATA (CCTGTGTGCN	TCCTTTACAC	CTCCACTCCT	ፕሮ ሞፕሮ አርድርድ	60
	ATGACAGATG AGAAGGGGCT A					
	GAGAGCCTGG CTTAGTGCTG (
15	TAGTCCCTGT TTTACAGGGG 1					
	AAGTGACAGC TAGGGGTTGA O					
	ATCTGCCACC ACTTTATANC (
	NTTTGGCCTA TNATGTTANA A					414
20						
	SEQ ID NO:7469					
	SEQUENCE LENGTH: 214					
	SEQUENCE TYPE: nucleic a	icid				
	TOPOLOGY: linear					
25	CLONE: HUMGS08711					
	SEQUENCE DESCRIPTION:		TOTAL 0 4 00 T	******************************	G#####################################	~~
	GATCAGTATT TTTAATCAAC A					
	ATCCCTGTCT TTCCATTTTT T TTTTACTTTC AGAAATNAAG T					
30	NAACTCCTTT ATTAAAAACA A			AIAIAUUAII	GAAAGAAAAI	214
	SEQ ID NO:7470					
	SEQUENCE LENGTH: 418					
35	SEQUENCE TYPE: nucleic a	icí d				
	TOPOLOGY: linear	•				
	CLONE: HUMGS08712					
	SEQUENCE DESCRIPTION:	ለተተ ነ ለለተለተ	0000101000	.000.0	TV + G O T O + G T	۰.
40	GATCCATTTC CTCAGGACTC A TCAGGGAAGC CTGGACACCC G					
	CACATTCTGT GTAAGAGCCC C					
	TGAGGCACCA GAGAGTGCCA C					
	GGGGGGGAGT TTCATTTTTA A					
45	CATTITATAG TAATCAGCGG N					
,0	TGGNCTTTTG GAGCTACATG C					418
	SEQ ID NO:7471					
	SEQUENCE LENGTH: 422					
50	SEQUENCE TYPE:nucleic a	cid				

	TOPOLOGY: linear						
	CLONE: HUMGS0871	3					
	SEQUENCE DESCRI	PTION:					
5	GATCTTGGCG TTGT	GGTAGA TI	TGCCTTCCT	GTGCTCACCA	ATTGTTTACA	GGAAGAAAAA	60
	CAATATATCT CACT						
	AGCAAATTTN AAGA						
	TGGTGGTCAG AACT						
	AAACAACAAT TAAG						
10	ACTGGTAATN TAGC						
	CCTCTNCCTG NGGG						
	CN		•••••				422
	011						
15	SEQ ID NO:7472						
	SEQUENCE LENGTH	- 150					
	SEQUENCE TYPE:n		cid				
	TOPOLOGY: linear		C14				
	CLONE: HUMGS0871						
20	SEQUENCE DESCRI						
	GATCGCCTTA ACTA	•	CATAGCCTA	TTTTTGTGCT	TAANATACTG	AATGGAAAAC	60
	TCCATTGTGT GTTG						120
	GTAATGGCAT TTAA						
25	TATCTTTAGT TACT						
20	TTTANTTAAT TTAG						
	TTNCNTTTTN GTGG						
		400					
	SEQ ID NO:7473					·	
30	SEQUENCE LENGTH	: 105					
	SEQUENCE TYPE:n		cid				
	TOPOLOGY: linear						
	CLONE: HUMGS0871						
. 35	SEQUENCE DESCRI						
	GATCTTTAAA GTTA		GCACATTTG	TGACAAACAA	CTACTTGATA	TTGAAATCTC	60
	CNTCAGCCAT TAGA						105
	•						
	SEQ ID NO:7474				•		
40	SEQUENCE LENGTH	: 104					
	SEQUENCE TYPE:D		cid		•		
	TOPOLOGY: linear						
•	CLONE: HUNGSO871						
45	SEQUENCE DESCRI		·.				
	GATCAAGTAT GCTA		GCAAATGTA	AAAACTCATA	AAACAGGTAA	ACAGTGGGGT	60
	GATTTCATTT GCCA						104
•							
	SEQ ID NO:7475						
50	SEQUENCE LENGTH	I:340					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08717 SEQUENCE DESCRIPTION:	acid				
·	GATCCTTGTT TTTAAGTTAC CTTTTAAAAC TATAGGCTGC					
	ATAATACCTA CCTTCAAANT					
10	ACCTCACACC AAGANTCTTG	CCTAACCCTG	TCAGAGTGCC	TAATATCCTG	TGGTGATTAT	240
	GTATAATGAA ACAGTCTTAT	TTTGTGCTCT	TTGGTTTCTT	AAAAGGAAAG	CTTGTTTTCT	300
	TTCCTTTATC ATTACAGAGG	TATGTCTTTG	GTTCTTANTN			340
15	SEQ ID NO:7476					
	SEQUENCE LENGTH: 189 SEQUENCE TYPE: nucleic			•		
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08718					
20	SEQUENCE DESCRIPTION:					
20	GATCTGTGAA AAAATACAGT	ATTGTAAATC	CAAGACTCTG	ATACTGAATT	TAAGTTATTT	60
	CACAGTTGTA GCTACACAGT	AAGTAGCTTG	GTAGATAGTT	ATTGANTGTA	TTTATGTAGT	120
	GTATTAAGAA GCTTATATTA	CTACAAAAA	CTTATTTTAA	TATATNTNNN	TATNTNNGTN	180
25	TTATTTATN					189
	SEQ ID NO:7477					
•	SEQUENCE LENGTH: 342					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS08719					
	SEQUENCE DESCRIPTION:					
	GATCTGTGTG ACAAAATNAT					
35	TTCCCCAGCA AATGTTAGAT					
	TGCATATTCA TCTNGTAATG ACCCCACATG CTTGCCAGTT					
	TCTGTTCAAT TTANTGTGAT					
	ATGGTCATAA GAGGATTTGT				1114011111100	342
40				J.,		٠.٠
	SEQ ID NO:7478					
	SEQUENCE LENGTH: 54					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS08720					
	SEQUENCE DESCRIPTION:					. .
	GATCTTTGTC AACCAAAACA	TGTATTTCA	ATAAATTGAG	ATTCCCAGTT	CAAA	54
50	SEQ ID NO:7479					
	SEQUENCE LENGTH: 79					

5	SEQUENCE TYPE:nu TOPOLOGY:linear CLONE:HUMGS08721 SEQUENCE DESCRIP			*.		
	GATCIGITTC CCITT CAAAATATTT CAAAC		T TTGTGAGCAT	TTCCTTACTT	CCTAACATGA	60 79
10	SEQ ID NO:7480 SEQUENCE LENGTH: SEQUENCE TYPE:nu TOPOLOGY:linear CLONE:HUMGS08722					
15	SEQUENCE DESCRIP GATCCCCCTG GCCTG CGGCTACCCC AAGCC	GAGGC AGCAGCTGTA	AGACTGAAAG	CTTTCGCGTT	GCTTTTTCTC	
20	GCGTGCCTGG AACCTO CTGGGCTTCT TGTTC. TAAGATTAAT ATATT	CTCC ACTGCCTCTA	TCCATTGAGT	ACTGTATCGA		
	SEQ ID NO:7481 SEQUENCE LENGTH:					
25	SEQUENCE TYPE:nuc TOPOLOGY:linear CLONE:HUMGS08723 SEQUENCE DESCRIPT					
30	GATCTGAGTC CAGGCA ATTTTACAAC CAAATA CGACCTAGGC TCCGAC TTCACCGTGG CCCGGC	GTGT TTTTAAGNGA CAGG TTTNNTGGTG AAAA CCACAGTTGT	TNTTTTGAAA TGGGAGCTGA	AATCCAAAGA GCCGGAGCCA	TTTGGCAACT GAACTCACAA	180
35	TGCCATTCAT CATGGC AGAAAGGGAA GTATTT	TTGC TTTTAGTGTT				
	SEQ ID NO:7482 SEQUENCE LENGTH:3					
40	SEQUENCE TYPE:nuc TOPOLOGY:linear CLONE:HUMGS08724 SEQUENCE DESCRIPT					
45	GATCTGGATT TGGTAA AATTTGCACT CAGAAT AAGACTACTA AAGGAT GGAAAATCTG ANTACA	AGGT TGACTTAATT TAGA GCGCTCATTT TCAA ACTTGGGAAG TTGA NCCTGCCAAA	TTGTCAGANC CACAAGCATG AGAGCTCATG	CATCATCTCC AGACCTTTAT TTGTGCCACC	AGGAAGAACC AACGTCAAGT ACCAAGAGGA	180 240
. .	AGGGGCAGGG GTGGNT CAGNNCACAN GTNGAC			ATATTTTNNG	TCAGNGNAAC	300 331

	SEQ ID NO:7483					
	SEQUENCE LENGTH: 338					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
•	CLONE: HUMGS08725					
	SEQUENCE DESCRIPTION:					
	GATCGGAGTC GCCAGGCAGT	ATATCCAGTT	AGAACTTCCG	GGCTTTTGCA	TTAGCTTGTC	60
	TGATGCTCAT GCCCCACTCA	GAGAAAAGAC	ATCAGCAAAT	TAAGAATTTT	CTGGGTTCCT	120
10	GTGACCCTCA GGTTATTTTA	AAGCAATTGG	AAGAGCATAT	GAACACGGGC	CAGCTAGCAG	180
	GATTTTCACA TCAAATTAGA	AGTCTGATTT	TGANTAATAT	CATCAATAAG	AAGGAGTTTG	240
	GGATTTTGGC AAAGACCAAA	TACTTTCAAA	TGTTGAAGAT	GCATGCGATG	AATACCAACA	300
	ATATCACTGA GCTAGTGAAC	TATTTGGCAA	ATGACTTN			338
15						
	SEQ ID NO:7484					
	SEQUENCE LENGTH: 338					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS08726					
	SEQUENCE DESCRIPTION:					
	GATCCGCCCT CCTTAGCCTC	CCAATCCTCT	${\tt CTTAAAAAAG}$	TGATAGCTCA	${\bf GAAATATTTG}$	60
	TAAAAGCAAG GTTTTTATTT	CATTTTGGCT	CTGTCATTTT	CAGAGGCAAA	GAAGTTGGCC	120
25	TGTAAAATAG AGTGCTAGAG	CTCTTACGCC	CCTCCCCTTC	TTCCCAACTT	CCTACTTCCT	180
	AGCCCTTTTA TCAACTCCTA	GAATAGTTAA	AGAGAGACAC	ATCTAGATGG	GATGAAAGGT	240
	GCCCTAAGCA GGAGAACCTG	ANCAAAAGGC	TAGAGGCATG	GGCCAGGTAA	AATTTGGGGC	300
	CTAGAGTGAA GNCTGTGCTG	TCGTTAAGNG	CTTTCGAN			338
00						
30	SEQ ID NO:7485					
	SEQUENCE LENGTH: 338				•	
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS08727					
	SEQUENCE DESCRIPTION:	#0.1.0.000#	0.1.0m00m00	T0000	0001010000	CO
	GATCACAGTG ACAAAGAAGA					
	TCAGTTGAAG AAGTCATGAA					
40	CCAACTCCAG CCGATGGAAG AANTATTCAG GTTTAACAGC					
	CAGGACTCGG TCAAAAAGAN					
	GACAACGAGG ATGAAAATGA			ITAGIAGCCI	CCTTICTTI	338
	UNCANCUAUU AIUMAMAIUM	UIAAUIUIAA	IIMIIIIM			330
	SEQ ID NO:7486					
45	SEQUENCE LENGTH: 302					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08728					
50	SEQUENCE DESCRIPTION:					

5	GATATACTAT TGTACTATGG ACTTCATCGC TTTATAGTGA GTATTTGTAT AGTTACTGGC 1: TTTTTTTCTG TAGTGTTGAG AATGATTTTT AAAACTTTGT CTTGAATTTA AATCAGATTT 1: GCATTTTTGG CTTATCAAAT AAAAATGAAA GGAATTCCTT TATACAAGGT GCCTTTTGTA 2: ACAAACCTGC ACGTTGTGAC ATGTACCCTA AAACTTAAAG TATAATANTA ATAANNTTNA 3:	80 40
10	SEQ ID NO:7487 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUMGS08729 SEQUENCE DESCRIPTION: GATCAAAAGT GAATAATGTA TGAATGAGAG CTGTAAGAAG GATTTTNATT TTGTTATAAT 6 TTAGTTACCA TTTTCAGTGT TATTTCAAAG GTTCTTTGAA GAATTTTGGG GCAGGGCATC 12 AGATTAGAGT TTTAAAATTT GAGTATTTTG GATATCAGTG TTCCTCATGA AGATATACAT 18	
20	GGATATNCAA TTTTGATGGC TTCCAGATTT GTAAGATTTT ATGTTGTATA TACCATTCTA 24 TTAAGAAACA TGTCCACTGT GCTTTCAAAC ATAGATAAAG CATGATAAAG ATTATNATTT 30 AAGATATACT TGTATTTATA CCTCAGATAT TCTN 33	10 10
25	SEQ ID NO:7488 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS08730 SEQUENCE DESCRIPTION: GATCAGCTGG ATACTCNTGT NACCAGAATT CCAAAGGTTC TGATAGAATC AAAGATGGAT 6 ACAAAGTGAA CTCACACATA GCTAAGCTGC AAGAGTTATG GAAAACTCCC CAAAATCAAA 12 CAATCCACCT CTCTAANTCA NTGATGGAGG CGTCCTTTTT CAAGCATCCA GACCTCACCA 18	0
35	CAGGCCAGAN GCGTTACCNG TGCAGCATTG CTAAANTCTA TAATGCAAAC TATCTGANGA 24 TGTTAATGNA GNGGCAGTAC ATGCACGTNC TTCAGCACAG CTCACAAAAG CCAGGTGTCC 30 TCACTCATCA CAGNNGCCGC CTTNGCTCCC GTTTATN 33	0
40	SEQ ID NO:7489 SEQUENCE LENGTH:292 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8731	
	SEQUENCE DESCRIPTION: GATCATTGAG AACACTGNAC ACAGCAGCTT CAGGCAAAGG GAAAAGAACT AAATGAATTC 60 CGGGAAAAGC ACAACATTCG TCTCATGGGA GAAGATGAGA AGCCAGCAGC CAAGGAAAAC 120 TCAGAAGGGG CTGGGGCTAA GGCCAGCTCA GCTGGAGTGT TGGTCTCCTA GGGACCAAGG 180 CCTTTGCATT TTTTCTACC CTGACTCCCA CTTCTAATTT CTCTTTATTG TTATTATTAT 240	0 0 0
50	TATTTTCTCT GCTATTGTAA TATTTTTTTG TTAATTAAAT GTTTTGGTTA AA 293	2

5	SEQ ID NO:7490 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08732 SEQUENCE DESCRIPTION:	
10	GATCAACTGC AAACAGGCAC GAAGGAACTT TTTTGGGTGA TGAAAAATAA AACTTTGGAT GTCGAACATA TTTTGAAACT AGATTGCAAT NATAGTTGCA TAACTNTATA CATTTATTAA AATCGTGGAA CACTTACAAA	60 120 140
15	SEQ ID NO:7491 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08733	
20	SEQUENCE DESCRIPTION: GATCCGGTCT CCCCCGCCCC CCGGCTGCAG GGTGGATAAA GAGGAAGATG TGAAGAGGAG GCAGACAAAA GCAAAAGGAC ATCCTGTCAG TAGGAAACGG CCGAATTACA ATTCAGATGT 1 GCAATGTTTG CATAAGTAAA CTGACACGGG ACTATTATAT GCAGAANTCC ACGTGCAAAA 1 NTTTTCAGAC ACACCTTTGT ACCTCTNCCT AATCCTGCCC TGGTAAAATG GCGGTTATCA 2 GTGCAAGTTT GAGGATACAT ACAGCTGGAA ANTGGNCATC ACCAAACTGG ACTCCAGAAA 3	20 80 40
25	GTNCTCTCTA CCATTTATT ACAGTTON TOTAL TO	37
30	SEQ ID NO:7492 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO8734 SEQUENCE DESCRIPTION:	
35	GATCTATTTC TCAGTAATNA GTGTGTGCCT CATGCCTGTT TCAATATTGG GTTTTGGAGA CANTATTGTA CCAGGCCTGT TGATTGCATA CTGTAGAAGA TTTGATGTTC AGACTGGTTC 12 TCCTTACATA TACTATGTTT CGTCTACAGT TGCCTATGCT ATTGGCATGA TACTTACATT 12 TNTNGTCCTG GTGCTGATGA AAAAGGGGCA ACCTGCTCTC CTCTATTTAG TACCTTGCAC 24 ACTTATTACT GCCTCANTTG TTGCCTGGAG ACGTAAGGAA ATGNAAAAGT TCTGGAAAGG 36	80 40
	SEQ ID NO:7493 SEQUENCE LENGTH:75	
45	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08735 SEQUENCE DESCRIPTION:	
50	GAGGATTTCA AGAAA	i0 '5

	SEQ ID NO:7494					
	SEQUENCE LENGTH: 343					
	SEQUENCE TYPE:nuclei	c acid				
5	TOPOLOGY: linear	0 0010				
3	CLONE: HUMGS08736					
	SEQUENCE DESCRIPTION					
	GATCTGGGGT ACTTGGCAG		CACAATACCI	* TACACACTCA	C 1 1 C C 1 TTCC	co
	AGGGTCTGGT CTACCTCACA					
10	GTCTTCTCTT TGACAGACTT					
	ATAATAGAGG ACATCCCTTO					
	CTTTAGAGGA GCCTCACAGA					
	GTAACCTGGG TGGNGGTTAT				GGAAAGICAG	
	diaacciddd iddaddiiai	CCCACCACCA	AIGGCAGGG	GIN		343
15	SEQ ID NO:7495					
	SEQUENCE LENGTH: 95					
	SEQUENCE TYPE: nucleic	: .				
	TOPOLOGY: linear	acid				
20	CLONE: HUMGS08737					
	SEQUENCE DESCRIPTION:					
	GATCAATATT GTAAAGAATT		A A T N A C A A A C	TCC T T A	CTCLLLTIC	00
	CTATTTTCTC AATAAAAATC			IUUAIAIAAI	GICAAAAIAG	60
	CIMITITUTE AMINAMATE	ICAMAICICC	IGAAA			95
25	SEQ ID NO:7496					
	SEQUENCE LENGTH: 143					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
30	CLONE: HUNGS 08738					
	SEQUENCE DESCRIPTION:					
	GATCCTCCCT CCTTGGCCCC	CCAGTGTTGG	GATTACAGGC	ATCACCCACC	ር ተ ሮሮተተሮሮሮ	60
	TGGAATNAAT TTTTATTTGA					
	CAATGAATAT TTGTTGATTT		INICICCAGI	UIIUUCAIAI	GCIAGACATI	143
35	OLLINOITAL HUMANI	nan				143
	SEQ ID NO:7497					
	SEQUENCE LENGTH: 342					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear	derd				
	CLONE: HUMGS08739					
	SEQUENCE DESCRIPTION:					
	GATCAACAAA ATGTGGTATA	TTCATACAGT	GGAATATTAT	TCAGCCTCTA	AAAGGAAGAT	60
45	ACGCTGACAT GTGCTGCAAC					
45	CAGTCACTGG AAGACAAATA					
	ATGCATAGAA ACAAGTAGAA					
	TGTTTAATGG GTATAGTGTT					
	AGTTAAGTTA TGTGANTGCT					342
50						J76

	SEQ ID NO:7498			•		
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY: linear					
•	CLONE: HUMGS08740					
	SEQUENCE DESCRIPTION:					
	GATCCAGTCG GCCTGGAGAT	TCTACGCCAC	CAACCTCTCG	CGCACAGACC	TGCACTCCAC	60
	GTGGCAGTAC TACGAGCGAA	CGGTCACCGT	GCCCATGTAC	AGGTACCGCC	GCCGGGCACC	120
10	TGCCACCAAG CAACTGTTTC	ATTTTTTATT	TTCCATTTGT	TCTTAAACCC	CACTTTTTGT	180
	TGTTCATTAT TTTGATTGAT	TTTNNNTTCT	TTAAAATGTA	TTTTTCACAA	AGGAAA	236
	SEQ ID NO:7499					
15	SEQUENCE LENGTH: 160					
75	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08741					
	SEQUENCE DESCRIPTION:					
20	GATCCTAACC CTTTAGTATG	CTGGAATTCT	ACTCTTCACT	TACTGCATTG	ACTGTTGTTG	60
	ATTAGTTATN ATTGCAAAGC					
	AAAATAATAG CTGTGTATAA	CACTTAGCTC	AAGCCACAAA			160
25	SEQ ID NO:7500					
23	SEQUENCE LENGTH: 210					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08742					
30	SEQUENCE DESCRIPTION:					
	GATCTTATTG TGGAGTTAAA	CAAAGCACCC	TTAAAGTAGC	AAGCGAGCAA	AATAAAAGCA	60
	AGGAAAATCA GTTGGAACAT	AACTTATGTA	TTTTTTAGGA	TTAAGAGTAA	TTTAACTGAG	120
	TCAATTCAAT ATGTTTTTAA	AGGTGTGATT	CTTAAATNCT	TTATGATTGT	TTAGATTTCT	180
35	ATATCTTGGT AACATGAATA	CACACTTAAA				210
	SEQ ID NO:7501					
	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear					
	. CLONE: HUMGS08743					
	SEQUENCE DESCRIPTION:					
	GATCAGCATT TGTATTTNAG	TCCATTAATG	GGAAAAATAG	CTGATATTGT	NCATAGGAAC	60
45	TTGGAAACCA CACAGGACTT	AAGTCCCTTG	TCTGTNTTGA	TGGTCAACAT	ATCTCCTTTA	120
	ATATCACGAC ATTTTCAACA					
	GATTCTCCTG AGGTCAACGT	TGCAAAANGC	ATAGCAAAGT	TNCTCCGAAA	TGTTAGATAT	240
	CGTTATCAAC CACTATTAGA	CAGATGTAAT	ACCGTATTTT	TTCAGTAATG	TGGNCCACCT	300
	TGATTTTGGN TTCCATCAGT	ANAGNGACTT	AGTGTATACA	NNNACNAAAN	N	351
50						

	SEQ ID NO:7	7502					
	SEQUENCE LE	NGTH: 195					
	SEQUENCE TY	PE:nucleic	acid				
5	TOPOLOGY: li	near					
	CLONE: HUMGS	08744					
	SEQUENCE DE	SCRIPTION:					
	GATCGCACCA	CTNCACTCCA	GCCTAGGTGA	CAGAGGGGAT	GACAGAGGGT	GCTCTGCGNN	60
**	CAGGGAAGGC	GGGGTGGTTG	GGGGGTAGAG	AATGTTGCNC	TNATAACCAC	AGCTGTGGTT	120
10	ATTTTNTGGC	AGGTACAGGT	NAGGTTCCCT	CTCCTTTCCA	CCAGATGGCA	CTGGAGAAAA	180
	GGGATTTNAN	TTAAN			-		195
	SEQ ID NO:7	503					
15	SEQUENCE LE				,		
	SEQUENCE TY		acid				
	TOPOLOGY: 1i				•		
	CLONE: HUMGS						
	SEQUENCE DE						
20	GATCAGAGCA		AAATAGAGAC	TAAAAAATAG	AAAACATCAA	TGAAACAAAG	60
	AATTATTTT						
	GATAAGACAC .						
	GAANTACAGA						
25	ATAATANNON						257
	SEQ ID NO:78	504					
	SEQUENCE LE						
	SEQUENCE TY		acid				
30	TOPOLOGY: 1 in						
	CLONE: HUMGS						
	SEQUENCE DE	SCRIPTION:					
	GATCTTACAG A	AGAAAGACTA	TGAAATACTT	TTCAAATCTA	TTAATGGAAT	CCTTTNCCCT	60
35	GGAGGAAGTG :						120
	TTGTCCATAC						
	TTTGAAGAGC 1	TTTCACTGCT	GATTAGTGGA	GAGTGCTTAT	NAATTGCCAC	AGATACTGTT	240
	GACGTGGCAA :	TGCCGCTGAN	CTTCACTGGA	GGTCANTTGC	ACAGCAGAAT	GTNCCAGANT	300
	TTCCCTACTG A						328
40							
	SEQ ID NO:75	505					
	SEQUENCE LE	NGTH: 102					
	SEQUENCE TYPE	PE:nucleic	acid				
45	TOPOLOGY:lir	near					
	CLONE: HUNGS(08747					
	SEQUENCE DES	SCRIPTION:					
	GATCAATTTG A	AAGTCCCTGT	TTGGGAATAA	GGCACTTATC	AGCATGAAGA	ATTTTTTCTC	60
	ATTCTGTGCC A	AAAAATTTTA	TAGAATACAT	TTGTATATTA	AA		102

	SEQ ID NO:7506					
	SEQUENCE LENGTH: 343					
	SEQUENCE TYPE: nuclei	c acid				
5	TOPOLOGY: linear					
3	CLONE: HUMGS08748					
	SEQUENCE DESCRIPTION	:				
	GATCACCTTC GNACGACTA	C ATCGCCTGCT	GCGTCAAACT	GAGGGCTCTT	ACAGNCAGTT	60
	TTCGAAGNCG GGGTACTGC					
10	AATGTGTCAT GAGTGTTTA					
	GGAGCTCTCC TTTGCTTGT					
	TTTCTCTTAA CAGCTGTTG					
	TTTTGATAAT AAAATTCTT	T GGAACTTTAA	AAAAAAAAA	NGN		343
15						
,,	SEQ ID NO:7507					
	SEQUENCE LENGTH: 342					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS08749					
	SEQUENCE DESCRIPTION	:				
	GATCCAAGTG CTTNTTTGG	T ACCAAGAGAC	CCGGNTCTNT	GCCAGCATAA	ACCACTCACA	60
	CCCCAGGGGG ATGAGCTCT	C TNAGCCCAGG	ATTCTGGCAA	GGGAGGTGAA	GAAAGTGGAT	120
25	GCGCAGAGTT CGGCTGGGG	A AGAGGACGTG	CTCCTGAGCA	AAAGCCCATC	CTCACTCAGC	180
	GCTAACATCA TCAGCAGCC	C GAAAGGTTCT	CCTTCTTCAT	CAAGAAAAAG	TGGANCCNGC	240
	TGTCCCTCCA GCAAAAACA	G CAGCCCTNAA	TAGCAGNCCN	CGGTCTTTGG	GGAGGNGCAA	300
	AGGNAGGCTC CGGTTGCCC	C AGATTGGCAG	CANNATTATN	AN		342
30	SEQ ID NO:7508		•			
••	SEQUENCE LENGTH: 369					
	SEQUENCE TYPE: nucleio	a anid				
	TOPOLOGY: linear	. aciu				
	CLONE: HUMGS08750					
35	SEQUENCE DESCRIPTION					
	GATCAAGCAA TTAATCTTC		AATTNACTGT	AATAACTTGG	AGCAGTACTT	60
	TATACAACAA GGAGGAGGA					
	TGGTGACAGA AAGCCTCAT				-	
40	AAGATTCTNG ATTTGCACA					
	TGTNATANNT GTCACTCTG					
	AGGGTGGAGC TGANGGATG					
	TTNGTACCN					369
45						
	SEQ ID NO:7509					
	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE:nucleio	acid		•		
0.	TOPOLOGY: linear					
50	CLONE: HUNGS08751					

	SEQUENCE DESCRIPTION:					
	GATCTGGCCA GAGGGGTGTT	GGAGCCCAGC	CCACCCACAT	ACCAGTCAAG	CTCTTAGGGG	60
	AGCAGAAGAA AAGCAGGAAG	AATTTAAATG	TTTAATTTT	TTTTNAAATT	GACTTTNCTA	120
5	GTTATTAAAA GTTGCTTGTT	TCAGCAGTGN	TATTGTATAA	NGACCATCTT	GTAAGNTACT	180
	CCTGACATCT TGCTTTAGCA	CATGTACAGT	ACAGTTNCTN	TGATAATGTG	TTTGCCCTAA	240
	CTNCCCTGGC TTCNCCTTCA	GCCCATCCNC	TCTCCTCTAG	NGCAGTTGGG	TTGGAGGCTC	300
	NTTGAGGCAA GCNGCANCAT	TGGNGGGGGT	GCAGN			335
10	SEQ ID NO:7510					
	SEQUENCE LENGTH: 270					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
45	CLONE: HUMGS08752					
15	SEQUENCE DESCRIPTION:					
	GATCCGACAC AGAGAACAGG	AGGAACTNAG	GCGACAGCAA	GAGGGCTTTA	AGCCAAACTA	60
	CATGGAAAAT AGAGAACAGG					
	CATGGGAGAT GCGTTTAGCC					
20	TATGANTATG AACANCAGNG					
	GGGACCAGNA AGGNGCCGCA					270
	SEQ ID NO:7511					
25	SEQUENCE LENGTH: 85					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08753					
30	SEQUENCE DESCRIPTION:					
30	GATCCCAGGA GAATCAGAAA		TTGGAATCTT	CAAGGGCACA	TACTGAGAAA	60
	AAAAATAAAA TTGTTTATGA	GCAAA				85
	SEQ ID NO:7512					
	SEQUENCE LENGTH: 66					
35	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08754					
	SEQUENCE DESCRIPTION:					
40	GATCAAACTA TACGCTGTCT	ACAAGAGACA	CTTTAGATTT	AAAGACACAA	ATAGGTTGAA	60
	AGTAAA	•				66
	•					
	SEQ ID NO:7513					
45	SEQUENCE LENGTH: 390					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS08755					
50	SEQUENCE DESCRIPTION:					
50	GATETTTET ACTEACETTT	ፒሞልልሮልሮቸዋም .	1 CTTCCCCTTT	LCC LLCCCTC	1102001010	~~

5	ACCATAAACA GTCCACAGGC CAGAGCCTTC TTGGTGTTGC GACATGTGAA CAATGAAGAG TGCCTTTNAT TTTTTAACCT TGAGCAAAGC CTTTGCTCTC GCNNTGGGNA CCTTAAAAAG	CCTAACTTGC GCCTGCGCCT TAAAAAGTAG ACGGNAGGAG	CAGTGGCCTT CCTGCCTTGC CCAGATTAGT	TGCTCAGAGC CGCCTGCAAA ANCANGACTG	CTCCTCCTGT GCAAAGAAAC GCTGGCTTGA	180 240 300
10	SEQ ID NO:7514 SEQUENCE LENGTH:212 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS08756 SEQUENCE DESCRIPTION: GATCACCTGA GGTCGAGAGT CTAAAAATAC AAAATTAGCT GGCTGAGGCA GGAGAATCAC GCCTGGGCAA CAGAGCGAGA	GGGCGTGGTG TCGAACTCAG	GCACATGCCT GAGGCGGAGG	GTAATCCCAC	CTACTTGTGA	120
25	SEQ ID NO:7515 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08757	acid				
30	SEQUENCE DESCRIPTION: GATCCACCCG NCTTGNGCCC GCCGAGTTAA ATATATTCT CCNGGAAGTN CAAATN			•		
35	SEQ ID NO:7516 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08758	acid				
40	SEQUENCE DESCRIPTION: GATCATGAAG ATGGACAGAA CTAAGGCCAT GCCAAGCAAG CTGCCCCCAA CTTATGAATA	GGTTAAGTCA	TGTAGAGCCC			
45	SEQ ID NO:7517 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08759	acid				
50	SEQUENCE DESCRIPTION: GATCTGGAAC TTGAAGATGC	CATTCATACA	GCCATCTTAA	CCCTAAAGGA	AAGCTTTGAA	60

5	GGGCAAATGA CAGAGGATAA CA CTTACTCCAA CTGAAGTTAA GC AAAATCCAGA ATTTCAGATA AT CAGACTTTTT GCATACTTAT TI TATANNTCCN AATAANCTGT TA	GATTACTTG TCTATCTAC TCTACATGG	GCTGCCATAG TTAANCATGT TTTAAATCGA	CATAACAATG TTAAAGTATG CTGTTTTTA	AAGTGACTGA TTTTGTTTTG AAATGNCACT	180 240
10	SEQ ID NO:7518 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS08760	cid				
15	SEQUENCE DESCRIPTION: GATCTTCATT TTCCTGTTCT GT ATGTGTTAAA TAACAAA	TATTCTGCT	ATGAAGTTCT	CTGTTTTTCA	AATAAAATTT	60 77
20	SEQ ID NO:7519 SEQUENCE LENGTH:20 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGSO8761 SEQUENCE DESCRIPTION: GATCATCTTG GAACTGCAAA	cid				20
	SEQ [D NO:7520					
30	SEQUENCE LENGTH:247 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS08762 SEQUENCE DESCRIPTION:	ei d				
35	GATCGGAGGC TGCAGTGTGA CAI AAACCTGGCT CCTTTTAACA CGI TAAAGGGTTT AGATTTTAAG AA' TATTAGAGTC AGAGTCTTTT TA' AATTAAA	GCCCTCAA (ATGGTGCTC 1	GCTCCTTAAG FTTCATGCCT	TNAATTGCCG ATNATCAGTA	TAACTAATTT AGGGGACTTG AGCATCATGT	180
40	SEQ ID NO:7521 SEQUENCE LENGTH:164 SEQUENCE TYPE:nucleic ac	id				
45	TOPOLOGY:linear CLONE:HUNGSO8763 SEQUENCE DESCRIPTION: GATCTTAATA TTGACTAGTT TC/ TTCCAGAGTG AAATGTAGGA GGG					
	TAACACAGTT TCACTCTCTG AAT					164
50						

	SEQ ID NO:7522 SEQUENCE LENGTH:110					
5	SEQUENCE TYPE: nucleic	acid				
3	TOPOLOGY: linear					
	CLONE: HUMGS08764					
	SEQUENCE DESCRIPTION:					
	GATCTGCCTG CGAAGCTCCC					
10	CAAAATCTGT TGTATTTGCT	AAATAAATTA	ATATGGACAA	GTTACCCAAA		110
	SEQ ID NO:7523					
	SEQUENCE LENGTH: 181		-			
	SEQUENCE TYPE:nucleic	acid		•		
15	TOPOLOGY:linear					
	CLONE: HUMGS08765				د	
	SEQUENCE DESCRIPTION:					
	GATCAAATTG TTCATGCCTT					
20	CTCATTTCTT TATTGAAGTT					
	TAGTTCAGTC CAGAAATNAT	TAATTGTGAT	GTGATTAAAT	TCATTTTTTG	GTCTGGTGAA	
	A	•				181
-	SEQ ID NO:7524				•	
25	SEQUENCE LENGTH: 175					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08766					
30	SEQUENCE DESCRIPTION:				•	
	GATCTGAATG GTTTTAATAA	GGGGCTTTCC	CCCTNCTTCG	CTCTGCACTT	CTCCTTGCTG	60
	CCATGCGANG AAGGATGTGT	TTGCTTCCCC	TTCTGCCATG	ATTGTAAGTT	TCCTGAGGCC	120
	TCCCCAGCCA TGTTAAACTT	TGAGTTAATT	AAACCTCTTT	CCTTTATAAA	TTAAA	175
35	SEQ ID NO:7525					
	SEQUENCE LENGTH: 362					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS08768					
	SEQUENCE DESCRIPTION:					
	GATCTGAAAA ATNCTTTTTG	TCCTCATTGT	TGCAGTTTCA	ATTGTAATCC	ATTGCATCTN	60
	ATTTTCTTGG GTGTTGGCAC	TGTAATATAT	TAAAAAAAA	TTCAGTGCTC	AGTATTGTAA	120
	CAACTGTCCC TACTGAATAT	TCCTTTTCAT	AAATACTTGC	TACCACAGGG	AAATTAAGTT	180
45	TTCATATAGA ATAACTAGTT	TCAGTAGTAA	CCATTGAAGA	NTTAANCNTG	TGGTTCANGG	240
	CAGATATTTT TCTGGAAAGT	TTTCTCTATT	GTANAATTTG	TNGTATATGG	CTATGCTGAC	300
	TATCHTGGAT NCTGTCATGG	GACATGCATT	ACCACANNTN	CNNGCCCCTT	TCTGTGGTNN	360
	NN					362

SEQ ID NO:7526

5	SEQUENCE LENGTH: 306 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08769 SEQUENCE DESCRIPTION:	acid				
	GATCCCATGG ACATTTGGGG ACCTCCTGCT CCTGACCTCC	CTGGGAGGGT	GCTATCAGTT	CTGTCCTGGC	CCTTTCAGTT	
10	TTATAAGTTG GTTTCCAGCC CCCTGCCTGT GTGGGAGGGT GACAAGGCCC GNCCACATCT TCTAAA	GGTTACTGTG	GGTGGAATAG	TGGAGGCCTT	CAACTGATTA	240
15	SEQ ID NO:7527 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid .				
20	CLONE:HUMGS08770 SEQUENCE DESCRIPTION: GATCTTTTAG TTATCAAACT GATGAATCCT GTTAAA	GTTAAATACA	TTTTAACTTT	CAAATTTTAT	GAATAAAGGA	60 76
25	SEQ ID NO:7528 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8771	acid				
30	SEQUENCE DESCRIPTION: GATCTGAAGT CTGATTGTGT CTTAGACCGN CAAA	GTACGTTCGC	GCGTGCGTTA	GTCCCTGCCA	CGATTAAAGA	60 74
35	SEQ ID NO:7529 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGSO8772 SEQUENCE DESCRIPTION: GATCGCGCCA CTGCACTCCA TAAAATGTTG GNTGTGGGGA					60 102
45	SEQ ID NO:7530 SEQUENCE LENGTH:312 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS08773 SEQUENCE DESCRIPTION:					

	GATCGAATCC AGGCCCTGGG GCTTCANTTG CCAGACCCAC CATTAGAGAG TGAAGATGAA	60
	GATGAGGAGG GAGCTACAGC GTTGAACAAC CACAGCTCTA TTCCCATGGA CCCAGAACAT 1	20
	GTAGAGCTGG TGAAAAGGAC AATGGCTGGN GTAAGCCTGC CTGCGCCAGG GGTTCCTGCC 1	80
5	TGGGCTCGGG AGATATCGGA TGCCCAGTGG GAAGATGTGG TACAGAAAGC CCTCCAAGCC 2	40
	CGGCAGGCAT CCCCTGCCTG GGAGTGACCA CAGTGAGAGC TGCCTTATAT TCCTACATTC 3	00
	CAGGCCAGAA CN 3	12
10	SEQ ID NO:7531	
	SEQUENCE LENGTH: 186	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08774	
15	SEQUENCE DESCRIPTION:	
		60
	AGCCACCTGC CTGTGGAGTG CTGAGCTCAA CCAAAGGCTG GCAAGCTCTG GGCCTCATTT 1	
	AAGGGATTCT GATGAGCCGA TGGGCCCTGG AGGCAGCCCA TTAAAGCATC TGGCTCGTTT 18	80
20	TTGAAA 18	86
	SEQ ID NO:7532	
	SEQUENCE LENGTH: 390	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
20	CLONE: HUMGS08775	
	SEQUENCE DESCRIPTION:	
	CAMOA CAMOA COLUMN COLUMN CAMOA CAMO	60
	TTCCTGTGTT GTTGTACTTT CACTGTGTAT AACCTAANNC NTCTACTNTT TAGTACTGTT 12	
30	TTATATATTT TNAAGCCTCA TACTTGCTCA TTCTACAGCT TTTTTCACTC ATTATTGTAT 18	
	AATTATATCT GANGCNCTCG TTCATTAATT TTAGTCCNGT GTAGCAGAAT TCAATTACGG 24	
	GAACTACCAT AATTTATCTG TNCTCCAGTT GAAGGCATGA NGTTGTTGCC AGTTTCTGTA 30	
	TTATAACCAC TGTAGTGGGA CCATTCTTCT GCNTTGGGCT CACTGCGGGT TACCNAAGNC 36	
35		90
	SEQ ID NO:7533	
	SEQUENCE LENGTH: 378	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUNGSO8777	
	SEQUENCE DESCRIPTION:	
		60
45	ATTGTTTCAA AATATTTTTN CAAATTGAGA TAAGGACAGA AAGATTGAGA AACATTGTAT 12	
	ATTINCAAA ANCAAGATGI TIGTAGCIGI TICAGAGAGA GTACGGTATA TITTIGGTAA 18	
	TTTTNTCCAC TAGCAAATCT NGATTINGTT TGATAGTGTG TGGAATTTNC TTTTGAGGGA 24	
	TAAGACCATG GGANANTTGT GGTAAAGACT GTTTGTNCCC TTCATGANTN CTTCTGAAGT 30	
	TGCCNTCAGT TTTNCTAATC TCCTGTGAAA TGCCTAGGTT TTGCGCCTGT CCCACTTTTT 36	
50	NTTTGTGGGN CTTATNTN 37	

5	SEQ ID NO:7534 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08778 SEQUENCE DESCRIPTION:	
10	GATCATTTGA GTGAAAAAAA GGTACCTGTN CAAGCAAGCT CCTGGACACC ACAAGAAGGA 6 GGAATTATTT TAAAAGCTGT ACTCTTAAAT TGTNAGTATC TTTAAAATCA GTTGTGAACA 12 ATGAAGGATT TGAAAGAGCA TTGACTTTGC CACTTAAAAG TATTTCTAAA ATAAA 17	
15	SEQ ID NO:7535 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08779 SEQUENCE DESCRIPTION:	
20	GATCAAGGTG AATTTTTTGT ATCACTGCCT GTGGAAATCT ATCCTCATCA GTNATTGCAT 6 TTTTCCCTGC CTATACCTGT GCTCCTTTTT NTNACTGTGT TTTCAGTCAC TTCCTTTCTG 12 TNAAAGGTTG CTTAGCTTTT NTTTTNAANA TTTGTTGTN 15	0
25	SEQ ID NO:7536 SEQUENCE LENGTH:304 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS08780 SEQUENCE DESCRIPTION: GATCCAAACC CACAGTNTTG TCCTGGAGGC AGCAGGGGTG AAGGTGGAGG GTCCAGGGCC 60 ATGAGGAGCC CCCTTGCCAT CAGAGCCTGG CCTAACCACC CTCTTCTCTA CTTACACACA 120	0
35	CATGCATTTT ATAATAGCTC TGACCCAACC TGGCCACTCT GCAGAGACTG GGACAGACAG 180 GTGCAGGCAA TGGGCCCTCC CACACCCAGT CACCTACAAG GAATTTTCAA ATCCACTTTT 240 AAAACAGAAA CCGGTAAATG CGCCGTATTG TATATTTTAT TTAAATAAAA AAAATTCCAG 300 CAAA 30-	0
40	SEQ ID NO:7537 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08781	
45	SEQUENCE DESCRIPTION: GATCCACCCT TCCTGGGCCT CCCAAAGTGC CGGGTATTAC AGTCATAAGC CACCACACCC 60 GGCCTAACAT GCATTTTTT AATTCAATAA ATATTTATTG AGCACCTAAA 110	_
50	SEQ ID NO:7538 SEQUENCE LENGTH:160	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08782 SEQUENCE DESCRIPTION: GATCCCCTCC CCTCCTGCTT ATATTGTATA TGTTATATGG ATTAAATCAG GCTAATTTAC	TTCTGTATTT GGTAGAATGT	GATGTTGATA	TATGTTTAAA		
10	SEQ ID NO:7539 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS08783 SEQUENCE DESCRIPTION: GATCCACCCA GTTGCTCAAG					
20	TTAGAAATTC TTAAACCTCA GATTATTTGT GTTTTCGCAA ACTGGTTTAG GTTATTAAAA	GTCATCCNGG	TGATTCTGAT			
	SEQ ID NO:7540 SEQUENCE LENGTH:355	.,				
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8785 SEQUENCE DESCRIPTION:	acid				
30	GATCAGAGAA GACTTTAAAA CATTTCATT ATGTTAAAGG GCCAGGGTGT GTAAATCCAA	TAAAATATGC AATCTATGCA	TTTGTNAACT GGAAATGCGG	CAGATGTCTG AGAATAGAAA	TAGCCAGGAA ATATGTCACT	120 180
35	TGAAATCCTA AGTAGTTTTG CTTGGTGTCT GTCAGGTTTT ATTTTGAGGT AAGAGTACTG	ATGTGGTCTG	${\tt TAAAGTNAGG}$	GGTTCTGTTT	TNGTTTCCTT	
	SEQ ID NO:7541 SEQUENCE LENGTH:314 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear CLONE: HUMGSO8786 SEQUENCE DESCRIPTION:	• •				
	GATCAGGTTT CCCCTCAGAA TTCAACTTCT AGAAGTAGAG					
45	TCAAAAAACA GGAAGTTGGA					
	ACATGTATAG TTAAATATTA					
	TTTTATTTT AAGAAGTTTA	TATAATNCTT	TTGTGAGCCA	ATATGTAAAA	CTNGAATATT	300
	TATTTANCCT ANTN					314

	_	
	SEQ ID NO:7542	
	SEQUENCE LENGTH:298 SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY: linear	
3	CLONE: HUMGS08787	
	SEQUENCE DESCRIPTION:	
	GATCACAGAG AAAGTGATTA CAGACATTGC TGGGGTAATA CCAGCTGAGA AAATTGATGG	60
	AGTATTINCT GCCTGTNAGA GTGGCTCTTT TGACAAACTA GANGCTGTGG TCAAGGATTT 1	
10	AATAGATGAG GGTCATGCAG CAACTCAGCT CGTCAATCAN CTCCATGATG TGGTTGTAGA 1	
	AAATANCTTA TCTGATAANC AGAAGTCTNT TATCNCAGAA AACCTTGCCG AGGTTGCCAA 2	
	ANGGORGE CARREST CONTRACTOR CONTR	98
	CEO ID NO GEAO	
15	SEQ ID NO:7543	
	SEQUENCE LENGTH:32 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08788	
20	SEQUENCE DESCRIPTION:	
		32
	UNIVERSE AMUNICAULI AMAMUULINA AA	26
	SEQ ID NO:7544	
25	SEQUENCE LENGTH: 249	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08789	
30	SEQUENCE DESCRIPTION:	
		60
	GTCCTTTTG GAGGGCAAAG GAAGTGCCAG CTTCTNTGGG GAACTTGTTT TTAAATCCAA 12	
	AGACTTGAAC CACATTCCCT GCACATGANC ATGTTTGCTT TTATCCCTTC TCTCATTGTN 18	-
	TCCTACCCAT CTTAGTACCA TTGTGGTTAT AANCATCTGC ATTTNTNAGA AGCATTTNAC 24	
35	CCATTINNN 24	19
	SEQ ID NO:7545	
	SEQUENCE LENGTH: 257	
40	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUMGS08790	
	SEQUENCE DESCRIPTION:	
	GATCATATGG AATGTACTAT TTTGTAATGT CTTTTTTCAT TTTACAATGT ATTATCAACC	
45	TTTTCCCTCT CAAAAATACA TTGTGAATGA CTGCATAGTA TTCACTTTAT GANTATTTAA 12	
	TTCATTTCAC AGTCTTCTAT TGTNGGACCA CTNACATTGT ACCAAATGTT TTCCTTTGGT 18	
	TTATTCTTTA ATGTATTAGT ATTTTACTGC TGGTCACTCA TGGAATCCTG CAGCTTTANT 24	10
	NAAAAGCAAG GATGAAA 25	7
50	SEQ ID NO 7546	

5	SEQUENCE LENGTH: 158 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08791 SEQUENCE DESCRIPTION:					
10	GATCGTGCCA CTGCACTCCA AAAGGTGGAT ACATGTCAAA TGTGTCAATT ATCAAAATAA	AGGGCACAGG	AGCCACTTGA			
15	SEQ ID NO:7547 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO8792 SEQUENCE DESCRIPTION:	acid				
20	GATCAAAGGG ATGAGCAACA TACTTCAGAG GTGGTCTCTN AGCTCAAA					
25	SEQ ID NO:7548 SEQUENCE LENGTH:205 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08793	acid				
30	SEQUENCE DESCRIPTION: GATCACATCA AGCTAAAAAA GGGAATGTTT TCTGTAATTT ACTGCTGTCA TTGCACTGNT ATTAAAATAT TTGGTTTTGT	AGTAGTAACT TACCTTCTGT	GGCAATAGTT	TACAAACACA	TTTTGTGTAT	120
35	SEQ ID NO:7549 SEQUENCE LENGTH:372 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			·	
40	CLONE:HUMGS08794 SEQUENCE DESCRIPTION: GATCTTATTT TTAATGTAGT TGAAACACAT ATTTAAAATA					60 120
45	AAAGATTTCC TAACTTTATG ANTACAGTGA AGGACTCAGT CATCCCAATA CTATTTTGAN TTATGCCTTC AATATATTCC NNATACCATG GN	TTATTGANCA TCAGTCTTGT ATTCTAAACA	CTTACTCACT TTTTATCAGA ATGGAACCCA	AGAAGTGAGT GTGATAATCA AANTNCCAAT	TCTTTAGAAA TCCTGTTTCA AANTATAAGG	180 240 300

55

SEQ ID NO:7550

5	SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08795 SEQUENCE DESCRIPTION:	acid				
	GATCCGGTNG TCTAAATGCA TTTTCTGCAA TAAATAAATA			TTGTAAATAT	CTTTGTATAT	60 97
10	SEQ ID NO:7551 SEQUENCE LENGTH:244 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS08796 SEQUENCE DESCRIPTION: GATCTGGGTT TGGCATTAGA	AGTATTTCAT	AATTTTGGTT	TTTNATTTAG	GTTTCCTCAA	60
	CATCTGTAAA GTGATTGATT	AAATTAGAGG	AGGCGTGTAG	AATAAATCCC	AATCCCATTG	120
	CAACTGGCAG AGCATTATAA					
20	TTCTTCAAAA AANAAANTTG NGTN	GCTTACCTGT	TTCANCTTTN	GGTGGCATTT	NNCTGCCATT	240 244
	SEQ ID NO:7552					
25	SEQUENCE LENGTH: 364 SEQUENCE TYPE: nucleic	nai d				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08797					
	SEQUENCE DESCRIPTION:					
30	GATCTGGGAA TTACCCATCA	TCATTAAGCA	ATGAAACAGA	CCGGCTGGTG	CACTGGTGCC	60
	ACGGCGCCCC GGGGGTCATC					
	AGTACTTGAA AGAGGCCATG					
	AGGGCTACGG GATATGCCAT					
35	GTCTCACGCA GGATAAGAAG					
	ATTACGGAGC ACACGGGTGC CNAN	CGCATICCIG	ACAGACCCIA	TICGUTCTTT	GAAGGCATGG	364
	SEQ ID NO:7553					
40	SEQUENCE LENGTH: 129					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS 08798				•	
45	SEQUENCE DESCRIPTION:					
	GATCTGTGTG TCTCTGTTTT					
	ATAATTGGTC AATAATCCAT CAGTATAAA	GIIGGITTTA	ACAAAAAGCA	TTTTAACATT	AAAAATATTA	120 129
50	SEQ ID NO:7554					

5	SEQUENCE LENGTH:316 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08799	
	SEQUENCE DESCRIPTION: GATCACATTT TNATTTTTTN TTCTCCACAT CAGGATAGTT TACTGAAGCA CAATCTCTTA 6 TACTAGTGGG ACAAAAGGGA GAAAÁAGGAA GCAAGATAAA TGGGTATGTA GGATGAAGGG 12	
	TTATTTAAAA TGGAACTAAA GATAGAAGGA GGACTGTAGG AAGANATGGA ATNNTTTANN 18	
10	TNTGAGGAAA GATATCTNTG GTAGACATGT CCTTCCATGA CTAATTTCTA ATTGTNACTC 24	0
	ANCACACATT GAGGTATGGN CCCTCCTCAG TGACTTTNAC TAGCTCAGAN ACGTACTCCC 30	
	CCACCANCCC CACCTN 310	
15 ·	SEQ ID NO:7555	
	SEQUENCE LENGTH: 365	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS08800	
20	SEQUENCE DESCRIPTION:	
	GATCAGTGGA ATTCTTGGTT TGATGATAAC CTTATTAATT GAAATNTTTT ACTGATGTGG 6	0
	CTTTAAAAGA GGTTTATNTT GTATATGTTT AGAACTCTCT GATTTTNATG AATTATATGG 12	0
	GAATGAGAAA CAGAAGAAGT GGTATTTNCT GGCGAGTTAA ATAGGCAAGG TACCCAGTGA 180	0
25	TAACACCAAC CAAACCACTC CTATCTGCAT GATTCTGAAC ATCTGGATGC CTGTGGTTTT 24	
	ACTGTGTATA TNTNATTTTT AATATATTAC CTTTGTGGAT NCATTTAAGG TCTACTCAAA 30	
	NGTANCACTG TCAAAACCAC TAATATGTAT GTNAAANTTG TNCTGTNTAC TACATTACNG 36	0
	TNCAN 36	5
30	SEQ ID NO:7556	
	SEQUENCE LENGTH: 349	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
35	CLONE: HUMGS08801	,
33	SEQUENCE DESCRIPTION:	
	GATCTTGAGT AACTGAACTT ATTTCCCTTA AGGTATAAAA ATTTAAATAA CCTGTATATA 6	0
	TTTGNTAACA NCTTTATNAG GGAGGTAAGT NACTTACAAT ACATTGCACA TATTTAANGT 12	
	ATAGANTICG ACGAGITITG AIGTAIGTIT GCACCIGIGA AACCAICACA ACAAACAGIG 18	0
40	AGCATATOTN TOACCOCTAA NNGTTTCCTC CTGTCCCTTG GTAATCCCTC TNTTACCTGT 24	
	CCCACTTCTG TTCCTCAAGA NCCACTTACC TGCTTTNNTN ACTGTTAATG TACGTGAGTT 30	0
	TACATTTTTG AGAGTTTTAT CCAAAGGGNA TCATGANGTA TGTNCTCTN 34	
45	SEQ ID NO:7557	
	SEQUENCE LENGTH: 369	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08802	
50	SECURACE DESCRIPTION.	

	GATCTNATCA AT	CTAGCGGG	AGAGACAGGA	TAACCTGTCC	GAAAGTATAG	CGCCACTATN	60
	ACTCCGCCGG AA	AAATTACT	TTAAAAATCG	CCAAAAATTA	CTTGGAGCAA	AGGGCAGTCG	120
	GCGGANTTCG CC	AAGGCTGG	CGCAGTCGGT	TTTNACCTGT	AGCAGAGAAC	CNGGNCTGGA	180
5	GAACAGCCTC AC	TTCTTTNA	TTGANTACTT	ACATAATGCA	TTGGAACATG	ACATGAGATT	240
	AAGGTTTAAT AA	TGATAGAN	TGAAGACCAC	AATAAAAGAG	ACCTCTACTT	AGCTCAGCAA	300
	TTCTTACCTT TC	TTACCTAT	TTGATGGAGG	NTGTCTTTTG	ANAGGTGTNC	TGCAGGGNCC	360
	AAANTGTTN						369
10							
	SEQ ID NO:7558	8					
	SEQUENCE LENGT	TH:290					
	SEQUENCE TYPE	nucleic	acid				
	TOPOLOGY: linea	ar					
15	CLONE: HUMGSO88						
	SEQUENCE DESCR						
	GATCTTGTAT GCC		AATCTGCTTT	TATGTTTTCA	GGCTGAAGGT	GTGAAAATCC	60
	TAAGAGGATT TCA						
20	TACTATAATT NAT						
	ATTINTNAGA ATO						
	TGTGTTTACT TTA					Addivinida	290
		Bunottu	Oldinama	CANCACUIAI	TAMMIAIGIN		230
25	SEQ ID NO:7559	9					
20	SEQUENCE LENGT						
	SEQUENCE TYPE:		acid				
	TOPOLOGY: linea		acru				
	CLONE: HUMGS088						
30	SEQUENCE DESCR					•	
	GATCTGGATA AAT		ም ርጥ ለ ርጥጥ ለ ለ ጥ	T CTTCC	****	CCAAA	55
	UNICIOUNIA ANI	IIIIOAII	ICIACITAAT	TAAAACTICC	INIGIAAAAI	CCAAA	99
	SEQ ID NO:7560	1					
35	SEQUENCE LENGT						
	SEQUENCE TYPE:		منط				
	TOPOLOGY: linea		aciu				
	CLONE: HUMGS088						
40	SEQUENCE DESCR						
40	GATCCCGAAT CCC	-	ATTC AT ACNO	CACCTATCAT	C 1 C T 1 T T T 1 T	TT 1 1 TCTC 1 C	60
	AAGCTGAATC TGT					TIAATCICAG	60 109
	ANGCIONNIC IGI	INCUINII	ITTCTCCAGG	ICAICAGCII	I GGGNNNNN		109
	SEQ ID NO:7561	1					
45	SEQUENCE LENGT						
	SEQUENCE TYPE:		:4				
	TOPOLOGY: linea		aciu				
	CLONE: HUNGS 088						
50	SEQUENCE DESCR						
			▲ TOTTO ▲ OTT	T 1 TCTTC 1 1 1			40
	GATCCTACTC TCT	LIALIAAA	MICITARRIT	INIGIICAAA			40

5	SEQ ID NO:7562 SEQUENCE LENGTH:338 SEQUENCE TYPE:nucleid TOPOLOGY:linear CLONE:HUMGSO8808					
10	SEQUENCE DESCRIPTION: GATCTGCCGA CCTCGGCCTC CCATAACTTT NCTCTTTTCT CTTAATTTTC TCTATATATC AATGATTATC ACTTCTGTAA TTNCTATTAA NNTGTCTCAT	CCAAAGTGCT CCATTAGCTA TTTTNAGGAT AGAAGAAAAC TTCCTTTNCA	AAAGATAATA TATATTTAGT AATACTACTG TGTATGCACA	GTAAAACGTA GTATTTCCCA GTATTGCATT	TATTTGAACA ATTTTCCTAA TGGAAATATT	120 180 240
15	CCTTTNNTCA AAANNTATTO	TGNGGTTATT	ATTTANNN			338
	SEQ ID NO:7563 SEQUENCE LENGTH:338 SEQUENCE TYPE:nucleic	acid				
20	CLONE:HUMGS08809 SEQUENCE DESCRIPTION: GATCTTGTGG TCAAGAGCAA TACGGAAATA TTTAAGTAGA	TCTGAATCCA				
25	GTGAAGGCAG TATTAGAAGA GCATTGCCAA AGTTTTTNTN GTAAAANGCT GTCAANCATT AGCAAGGNAA GANGCACCAG	AGTCTTGCAT TCCTGANAAT	GCTTAATAAA AGANTTGGCC	NGTNCTGAGA	CTGTTACTAA	240
30	SEQ ID NO:7564 SEQUENCE LENGTH:324 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS08810 SEQUENCE DESCRIPTION: GATCCCTGCC ACAAGTTCCT CAGAAAATAG TGGCTGTGTT CAGACTTGCG TGGGTCAGTT	TGGAAGCTTC	AGCCCTGCAC	ATTTGAACTA	GTCACTCTCC	120
40	TTTTATTAGT ACTGATAAAA CTCTTCAGGA GCTTGGCATC CTCCAAAATG ATAAAAACAA	CAAACTGAGG ATGGACTGTT	GAAACATCCC	TCTTAGCTGG	GAAACTTTTA	240
45	SEQ ID NO:7565 SEQUENCE LENGTH:318 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGSO8811 SEQUENCE DESCRIPTION:					

	GATCCCACTA CGAAACGCTC	CAGAGGCTTC	GGTTTCGTCA	CGTTCGCAGA	CCCAGCAAGT	60
	GTAGATAAAG TATTAGGTCA	A GCCCCACCAT	GAGTTAGATT	CCAAGACGAT	TGACCCCAAA	120
	GTTGCATTTC CTCGTCGAGO	GCAACCCAAG	GTGTTCTAGC	TGAGCGTTTA	AGAGCATGGA	180
5	CTCTGGAACC AGACTTTGAA	A TCCTTGCTCT	GCCACTGCAG	CTGTGTGACC	TTGAGCAAGC	240
	TATCTAAATA TTCTGTGCC1	TTGTTTTGTC	ATCTGTACAA	TGGAGATGAT	GATGGTATCA	300
	CCTTCATGGG GTTGTCAN					318
10	SEQ ID NO:7566					
	SEQUENCE LENGTH: 313					
	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08812					
15	SEQUENCE DESCRIPTION:					
	GATCTGAGAC TCAGGAACCT					
	ACAGTTTGGA CTGAGAGCAC					
	GTTGTGGCTT GCACTGCTGT					
20	GCTTGCTTGA GCCAATGCTA					
	TGTATTTGCA TAGTGATGGC	, IIGGAAGIGI	CCATAGAAGG	MATIGUAATA	AAGGIGIGIC	313
	TTCCTTCTAA AAA					313
	SEQ ID NO:7567					
25	SEQUENCE LENGTH: 316					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08813					
30	SEQUENCE DESCRIPTION:					
00	GATCTTGAGT CAGAGAGGAT					
	CTTAGGTCTT AGGGAGATGG					
	CCGAACAACT GAGGGACCCA					
	TCCCCGAAA ACGAGGTGCG					
35	TTCTGTGAAA ATGCTTTGTA	AAAAGTTGTT	ATTGTTTGCA	TAGAGCAGAT	TCTTGAGAAA	
	AACTGTTTTG GACCAN					316
	SEQ ID NO:7568					
40	SEQUENCE LENGTH: 316					
70	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08814					
	SEQUENCE DESCRIPTION:					_
45	GATCCCCGTC TGCTGACCAG					
	GAAAATCACA CAGTTTTCAG					
	AATTCACCTT CTAAAAACTC					
	GCTGTATTAT TTTAGATTTA					
50	AAAACATTCC AGTGTTCANC	TGTTTTNTAT	TATTANGGGG	CTTTTNATTT	GTGAACTTCT	
	CANCCCATCA CTCTTN					216

5	SEQ ID NO:7569 SEQUENCE LENGTH:226 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08815	acid				
10	SEQUENCE DESCRIPTION: GATCTGGTGT ACCAGGCGAA TCAATNAAGA AAGTAGCAGG TCTNTTGCAT ATAAGANTGT ATTGANCAGA ANGAAGAAAN	GTGGTCCGAG GATGGATGTG NATTGGNGCT	GAGCTGACAG AGNNGAGCCT	TTGAAGAAAG CCTGGAGAAT	AAACCTCCTA	120
15	SEQ ID NO:7570 SEQUENCE LENGTH:306 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08816	acid				
20	SEQUENCE DESCRIPTION: GATCAAGAGT TAAATAAAAA GGTACAAAAA AGAGCAGCTC TCTCCTGCCT CATTTGAAAG	TACTTAATGC ACATCCCAGC	AATTCTTCAT ACAGCATATC	TCAGCATATA ACGCTGTTTC	GCGAGACATT TTAAGTATTT	120 180
25	GTATNNNNN GTACCTGAAG CACCTACCTT GANCCAGATT TTGTTN					
30	SEQ ID NO:7571 SEQUENCE LENGTH:304 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08817 SEQUENCE DESCRIPTION:	acid				
35	GATCCTGCGA GGGTGTCATA CAGCACATCT GCAGTAGCAA GGCTTATGGC TGTCTGAGCA GATTTNCTCA TTCCTGAGCA ATACTTCCAG TAGGTGATGC	TAACTNCTNA GCTGCTGTAG CCATGCTGTT	TTTNTAAATT TGTAAGCAGT GTGTCAGCAG	TNCTTTTGTT GAGGTTAGCA TTGTAATGGA	GGGGGAGACA GTGGTTGTNA CTGTGTGGGC	180 240 300
45	GTAN SEQ ID NO:7572 SEQUENCE LENGTH:30 SEQUENCE TYPE:nucleic	acid				304
	TOPOLOGY:linear CLONE:HUMGSO8818 SEQUENCE DESCRIPTION: GATCTGTACA AATAAAATNC	CAAGTCCAAA				30

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	OPO ID NO GEGO					
	SEQ ID NO:7573					
	SEQUENCE LENGTH: 118					
5	SEQUENCE TYPE:nucleio	acid				
3	TOPOLOGY: linear					
	CLONE: HUMGS08819					
	SEQUENCE DESCRIPTION:					
	GATCATCTCT CCTTGGGTTT					60
10	TCAAACCAAT GTCAAATAGA	CTTNATTTTA	AGAGTCATGG	AATTACAGTG	CAACCTTN	118
	SEQ ID NO:7574					
	SEQUENCE LENGTH:53					
15	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08820					
	SEQUENCE DESCRIPTION:					
	GATCTACCTA TACAGTCCTA	CATTAGCTTC	TAAAATATTT	GTCAGGAGGG	AAA	53
20	AND IN NO SEES					
	SEQ ID NO:7575					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear			•		
25	CLONE: HUMGS08821					
	SEQUENCE DESCRIPTION:					
	GATCCCGAGG CTTTGTCTTC				GTTTTTTTT	60
	NAANAACTCA AAAAAAAAN	AAAAGACTTG	GAGGAAGGGA	AA		102
30	OPA ID NO GEGO					
	SEQ ID NO:7576					
	SEQUENCE LENGTH: 362					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS08822					
	SEQUENCE DESCRIPTION:					
	GATCCTACTG ACAGCCATCG					60
	CTGGCTTCTG GCTCCAGGCC					
40	GTTCACTGCA GACAGTGGCA					
	GGAGCGGCGG CAGATGAAGC					
	CTGGGTGGCT CTGTNAGGGT					
	GGGGCCAAAA GCAGTCTTGA	GGGTATTGGG	GTATACTTAT	ACTCTATAGG	GGTCGTTTGA	360
	AN					362
45						
	SEQ ID NO:7577					
	SEQUENCE LENGTH: 109					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear					

	CLONE: HUMGS08823 SEQUENCE DESCRIPTION:	
	GATCACTCAT ATAACATGTC ATTITTTTGG TTCTGTTTTG GTTTGGTTTT TGCCAATNAT	60
5		109
	SEQ ID NO:7578	
	SEQUENCE LENGTH: 361	
10	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS08824	
	SEQUENCE DESCRIPTION:	
	GATCTTCACG GGGCTATTAT TTCAGTGACA AAATCCAAAT GCCCCTCTTA TGTGGGTATT	60
15	ACAGGAATCC TTCTACAGGA AACAAAGCAC ATTTTCAAAA TTATCACCAA AGAAGACCGC 1	
,,,	CTGAAAGTTA TCCCCAAGCT AAACTGCGTG TTCACTGTGG AAACCGATGG CTTTATTTCC 1	
	TACATTTACG GGAGCAAATT CCAGCTTCGG TCAAGTGAAC GGTCTGCGAA GAAGTTCAAA 2	
	GCGAAGGGNN CGATTGACCT GTGANTTCTT TGCCGTCTAA GGCAGTTGTT TATGACAGCT 3	00
	GAAAACTGGA CACTCCCTAA NTGTCCACCT TTCAGTGAAG NGATAGTTAA GCCAATTCCN 3	60
20	N 3	61
	SEQ ID NO:7579	
	SEQUENCE LENGTH: 323	
25	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS08825	
	SEQUENCE DESCRIPTION:	
30		60
	GGAAACTCCT GAAATTGGTG GAAAAAGTGG AATATGGCAG ATTGGGTAGG TAGGAGAACA 1	
	ATTTTGGAGA TITTTTTCT TATGTTAAAG TGTCTGCATT TTATTTGCTG TACCCTGCCT 1 ACTCTGGTTT TNAGGATTTT TTGACTTCTT CGAAAAGCAC TGAATAATCT CTTTNCCGGG 2	
	TCTAGATTT TTGATGAGTA CTGTGTAAAA TTGTCAATAT TCAATGGATT ATTTAATAAT 3	
35	AND ALCOHOLOGICAL CONTRACTOR OF THE CONTRACTOR O	23
00	w	
	SEQ ID NO:7580	
	SEQUENCE LENGTH: 183	
40	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUNGSO8826	
	SEQUENCE DESCRIPTION:	
	GATCCTAAGT TAAGACTCTC CAAAGCAAAC ANTTGGTTTA AATCATTTAT CTGATGTAGA	
45	TAAAAGGTAG AGAAACTTGT AGTGTTCTCC ACATAATGGA AAATGTACAA ATGCCTAGTT 13	
	GTGTTGCCCA TCAATTTTGT ATATNTCCAT AATTTTNATT GTTGANAATT GCATTATNTT 1:	
	1	83
	SEQ ID NO:7581	
50	SEQUENCE LENGTH: 350	

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08827					
5	SEQUENCE DESCRIPTION:	·				
	GATCCACCTG CCTCGGCCTC	CCAAAGTGCT	GGGATTACAG	GCAGGAGCCA	CCGCGCCTGG	60
	GCCTTTTTTT AAGTTTTAAG	NNCCNATAAA	GNCACTGAAA	GGTGATGTGT	GTGGATGAGC	120
	TAGGAAGACC TGAAATAGGC	TCTCTCTAAA	TTAATCAAAT	TAATCCTGAA	GCCATTCTGC	180
10	AATACTGTCT TTAATGTATA	CTCACTTGTT	ATAGAAGCCA	GGGTTTTTNC	CCCTAATTTG	240
10	TATCATTGCT ATATGTGTTA	TTGTACCAAA	CTACACTGTT	TTAATTGCTG	TAAATTTTAA	300
	TATGTCTTAG TATCTGGGTG	TGGGAATCTT	GANAGCATGG	AGTTTGTGTN		350
	SEQ ID NO:7582					
15	SEQUENCE LENGTH: 348					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08828					
20	SEQUENCE DESCRIPTION:					
	GATCCTTGGG AGAGCTATCA					60
	ATCAGGGGCC CGAAACTNTC	AAGCCCCTTT	NTGGAGAGNT	GCCTGGCTGG	ACCGTAGAGC	120
	GCTGTGCTCT GAGCTTAGAA	${\tt AGGGAGGTGG}$	CGGATGGAGT	${\tt GGGAAGTGAG}$	AGACACTGAT	180
	TTTNAAATAT CAAAATTTCC	CTTCTGAAGT	CGTTCAGATG	TNTTCCTTAA	AAAGAAGATG	240
25	GAATTCTCTG TAGAGCGTCT	CANTCCACTT	TTAACCATGG	NTGAGAGCAG	ACTCCATTTA	300
	CCNTGAAATA GCAGCTTCTT	TTGAGGGGAG	AGTGACATGG	AAGCAACN		348
	GPO ID NO. 7500					
	SEQ ID NO:7583					
30	SEQUENCE LENGTH: 258					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08829					
35	SEQUENCE DESCRIPTION:	TCCTTTC TC	1 TT 1 1 1 TT 1 T	CTC+T+++CT	TACAACTCAC	60
35	GATCTGCAGG TTTGGGCATA AAAGGAGAAT GAGAACTTAA					60
	ATTTNCATAT GTNTAGCTTA					
	CNTATTTCCT CAACATACTG					
	ATTGCACACC NNCTCCCN	IUICAUGIAI	ACIUITITAL	ANTINUUTIU	IIIIAGCCII	258
40	ATTOCACACC MACTOCOM					230
	SEQ ID NO:7584					
	SEQUENCE LENGTH: 308					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUNGS08830					
	SEQUENCE DESCRIPTION:					
	GATCCATTTC ATTACAAGTA	AAATATTACA	AAATATTTAC	AGGAAAATAT	TAAAAATAAC	60
	TCAAACACAA AAGGCAAGAT	GAAATAAACT	GTTTTTTTT	CTCCAGAAAT	CTCTACTCCA	120
50	GTGCCCACAG CACACAAGAG					

	CAGNTTGTTC CTAAACCAGA AGAGGAGGTT GCCCAGAAGA AAAAGATATC CCGGAGGAAC CTGAGGANCC NAAACTTTTT GCCCCGGGGG TAATTCNGNC TTTNNATTAA TTTTNTTTAN NGGGNNNN	
5		
	SEQ ID NO:7585 SEQUENCE LENGTH:36 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE: HUMGS08831 SEQUENCE DESCRIPTION: GATCTCTTAT CATAATAAAG AATCTTTGTC ATCAAA	36
	into the second	30
15	SEQ ID NO:7586	
	SEQUENCE LENGTH: 227	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS08832	
	SEQUENCE DESCRIPTION:	
	GATCTAAGGA GGCCAGTGAA TTTCAAACAG GATTAAAAAG AAAAAAACA GAGTTAGGTA	60
	TCAAATTAAG AATACTGAAA GCAAAGATAT AANTAGAACT TTAAAAGCAG CCAGAAAAAC AAACATATTA CATATAGGGC AGCAACANTA AGANTAACCG CTAACTTTTG ATTAANNGTA	
25	ATTACA DOCA CALIFORNIA TALANCA DA CALIFORNIA DE CALIFORNIA	227
	SEQ ID NO:7587	
	SEQUENCE LENGTH: 215	
30	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS08833	
	SEQUENCE DESCRIPTION:	
	GATCTATTGA GAATGGAATT GITTTCTTAA TTTCATTTTC AAATTGTTTG TTGCTAGCAT	60
35	ATAGAAATAC AAGTGATTTT NTATATTGCT CTTGTATCCT GTGACTTTGC TGAGCTTATT 1	
	TTAGTAGTTT TTTTTCACTG AATTCTTTAG GATTTTNTAC ATAAAAAATT CATATCATCT 1	
	CMC LIMITATE AND ADDRESS OF THE PARTY.	215
	SEQ ID NO:7588	
40	SEQUENCE LENGTH: 43	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS08834	
45	SEQUENCE DESCRIPTION:	
	GATCATATTT TTAAATAAAG CATTTTTTGT AGAAAGTGCT AAA	43
	SEQ ID NO:7589	
	SEQUENCE LENGTH: 334	
50	SEQUENCE TYPE:nucleic acid	

	TOPOLOGY: linear					
	CLONE: HUMGS08835					
	SEQUENCE DESCRIPTION:					
5	GATCAGGATA ACCAGGATGA					
	TCAGAAATAG GACAGTGGCA					
	ATGGNCTCAC TCCGAGGCCC					
	GANGTGGAAT GGGAAGTTAA					
10	CATAAGGNCA CTTACTCAAC			GANCAGNACA	TTGTGTCAAT	
	AGTNTCTCNG GTTTGCCCTT	TCTNTTACTT	GTCN			334
	SEQ ID NO:7590					
	SEQUENCE LENGTH: 235			·		
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08836					
	SEQUENCE DESCRIPTION:					
	GATCAAATTT AAAAATCAGT	TTTAAAAGTG	GTTCCCGACT	TCTTTCCTTT	GGAAGAATTT	60
20	GGNCTNATGC TCATAAGCAG	TTCATGAGTG	ACAAGTGTAG	CAAAAGCCAG	CCATATATTT	120
	CNAGANTCTA TATCCTCAGG	AAATGGTCCT	TTTTTTTCCT	ATAANTCACC	AACCAACTAT	180
	CTAANTGGNC ATTTGGGGGA	NTTCCCTCCC	AAATTTGATT	TTNTNATTNG	AAAAN	235
25	SEQ ID NO:7591					
	SEQUENCE LENGTH: 172					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08837			•		
30	SEQUENCE DESCRIPTION:					
	GATCCAGAGC ACAGATGGCA	AGTTGTGTGG	ATGATACTGA	ATATNTTTAT	TTTCCTAAAG	60
	ATAAATNTCA CGACACGACA	TTTCTCAGTT	TTAATTTAGA	TGTTTATNAC	CATGTGTTAA	120
	CAGAATCTTA AAACCCAAGG	NATTTCTTCA	GTAAACTAGA	CTTTGATTCA	AA	172
35						
	SEQ ID NO:7592					
	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS08838					
	SEQUENCE DESCRIPTION:		•			
	GATCAAGAGG AAGCATGACT					
	CCGCTGGTGG TAGAGTCTCC					
45	GCTACTGCCA CGCTGAAAAC					
	CAGGCCTCGT AAGAAAGATG					
	GGCTGGAACT TGCTCTCTCT			AGGGAGCACA	TTGACTTGGG	
	AATTTCCTCC AGGAAACTCA	GGGCTGTTTT	CTCTN			335

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SEQ ID NO:7593

5	SEQUENCE LENGTH:333 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08839	acid				
	SEQUENCE DESCRIPTION:					
	GATCTGGGAC TTCTTTAGTA	TCGAGTCTCC	TTTGCACTCT	TAAAAATTGT	TGAGGACCCC	60
	AGAGAGCTTT TGTTTTTATG	GGTTGTATCT	ATCAATATTT	ATCACATGAG	AAATNATTTA	120
10	TTTATTTTAA AATAACTTTT					
	ATTGTTTAAT GTTTGATTTA					
	TGCAGTAAGT TGTTTTGACT	AATGTATATG	AGGAAAACCT	GACCTCACTG	AGATTTTAAT	300
	TGGAAAATGG AGGAGTATTT	TNCCAGCCTT	TNN			333
15	SEQ ID NO:7594					
	SEQUENCE LENGTH: 220					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08840					
20	SEQUENCE DESCRIPTION:					
	GATCTCCTCC ATACGGAACT	TTCTCATCTA	CGTGGCCCTC	CTGCGAGTCA	CTCCATTTAT	60
	CTTAAAGAAA TTGGACAGCA	TATGAAGACA	GGACATCACA	TATGAATGCA	CGATATGAAG	120
	AGCCTGGTTA CAGTTTCGAC	TCCTCTCTGC	AAGTGAATAG	GCCCAGAAAG	GTGTAAGAGA	180
25	CTCTTTGAAT GGACATAAAA	TTCTGCTTGT	TAAGAACAAA			220
	and to No area					
	SEQ ID NO:7595					
	SEQUENCE LENGTH: 326	.,				
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08841 SEQUENCE DESCRIPTION:					
	GATCTGTGCT GGCCACGTGC	CCCCNCTCTC	ACCTCTCAAC	CTCCTCTCCC	TCCTC & C & & C	60
35	CTCTGAGGGC CCCTCCCTGG					60
33	NATEGETTCE TECTGACTCC					
	AGGCCCAGGN TCAGCCCGCC					
	GGAGAGCTGG GCAGAAGCAG					
	CCCACACTCA CTCTTGTTAG		chocrocon	UNCTUTAGE	COGICCOACI	326
40						320
	SEQ ID NO:7596					
	SEQUENCE LENGTH: 327					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS08842					
	SEQUENCE DESCRIPTION:					
	GATCAGATGT TGGAACGTGC	TATGCTGTAG	CGTGTCTGGA	AACAAAGTAC	ACAAACCTGG	60
	CTACGGTGAT GAGTTAGCTT					
50	GAACCTTCTC CAGTCTGCAG	GCTGGCATAG	AAGGCTCTTA	GATTATATTG	GGCAGCTTGC	180

_	AATCTGCCGA AGCAGTGACT GAAGATAGCT TTTGGTTGTA GAGCAGAGGC AAAGGAGAAA	GGCGGCTTCC				
5	SEQ ID NO:7597 SEQUENCE LENGTH:278 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS08843 SEQUENCE DESCRIPTION: GATCTTTCCT CCCTCCCCTG	CATGAGGGAG	ACCCAACCTC	CCTCCCAACC	CCCTCCCTCA	εn
15	AGGAATGGCC TTGCCCAGGA CTCTTGTTTA TTCCTTGGNT TTNNATTTCA TGGAATTTGG TTGCAGGAAA AAAATACAAA	ATGCCCACCA TGCNTCCCTC GATTGANGTT	CACATACCCT CTTCCTCCCC AAACTACAAC	CTNCTTTTTT TCTCAACCTT	NNTAGTCAAA TACTTCTGAT	120 180
20	SEQ ID NO:7598 SEQUENCE LENGTH:202 SEQUENCE TYPE:nucleic		шишш			2.0
25	TOPOLOGY:linear CLONE:HUMGS08844 SEQUENCE DESCRIPTION:					
	GAACTTCATT ACCGTTNCAT GAAATNTAAT GGNTTTTTGT CATTCATTAG TAATTNATCA AANGGGGATA TNCTTAGGAT	AACCAGTTTC GTAACATTAG	TGTCTGCATG	TAATTTGGAT	TTCTCAAATA	
30	SEQ ID NO:7599 SEQUENCE LENGTH:47	23				
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8845 SEQUENCE DESCRIPTION:	acid				•
40	GATCCATAAT ATAGCATCAC SEQ ID NO:7600 SEQUENCE LENGTH:327	ATCTCAATAA	ATTTATTTGG	AAGCAAA		47
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08846	acid				٠
	SEQUENCE DESCRIPTION: GATCTGCCCA CCTTGGCCTC CCCCTTCCTG TAAAATTTTN GCCTGGGGTG CTGAGCTANN	AAATGGAGAA	TTGGGTGCNA	GATGTGGTTT	CCAGCCTGGT	120
	ACACGGTCAC CTGGAGCCGG					

	TAGGTCCCTN TGGCCAACTG CCCTGGTCCA GCCTNGCCTC		GCCTGTGGTT	ACCCGAAGCC	CAGCTTGGGG	
	coordinates decindente	CCAUGAN				327
5	SEQ ID NO:7601					
	SEQUENCE LENGTH: 326					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS08848					
	SEQUENCE DESCRIPTION:					
	GATCTAGATG CTGGTATTGA					
	TAAATTTAGC CGACGAGGGT	AAACACATCC	TAACAGGGAA	GGTAAACTGT	ACGTCCATCA	120
	GTACCACTAG AGGGCATCNC					
15	CCTTTAGTTT TCCTGAAAGA					
	CATATGATGT AATTTTAAAG		TTTANAANTT	TAATGGTTGC	TACATAAAAN	300
	GGGNTTCAGT TAACTNATTT	TGCGTN				326
	SEQ ID NO:7602					
20	SEQUENCE LENGTH: 310					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08849					
25	SEQUENCE DESCRIPTION:					
	GATCTCAGCA GGGAACCATG	GAAGCACCCA	$\tt CCCCCTTGCA$	TTTTGGCTTA	CCTGTAGCGG	60
	AATGCAACAG AGAATTTTAT	ATGCTAAGAT	TTGTGGTTCC	GTGGGAGAAT	ATTTCAAACA	120
	GGTGGAAACC ATCAAACTAA	AAGAGAACCA	GAAATCATTT	AAAGGTCACG	TGAGGAGCTT	180
30	CTGTNTTGTG CAACTTAAGC					
00	CATCTGCATA TTCACCATCC	TCAGGTCAGA	TTCTATGATA	CTGNNAATAA	AGGCATTCTG	300
	GAAAANTAAA					310
	SEQ ID NO:7603					
35	SEQUENCE LENGTH: 287					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08850					
40	SEQUENCE DESCRIPTION:					
40	GATCCGGTCA GCAGCCCCTG					
	CCTTCGAGCT TTATATCCAT					
	GCAACTGTTG TTGAATGATG	ACAGCAATTC	AGGAAAGACT	TAAATATGAA	AGCAAATTGA	180
	NCACATCGGG TGTTTGTNAT				TTTATTGACT	240
45	AGCCAATATG TCATTCACCT	TCNGGTTTAT	NTTGTGNANC	CCCANNN .		287
	SEQ ID NO:7604					
	SEQUENCE LENGTH: 66					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

5	CLONE: HUMGS08851 SEQUENCE DESCRIPTION: GATCGAGTTT TGGTTCGGGT TGCAAA	TAACTGTGTG	CCTACTGAAC	CTGGCAAATA	AACATCACCC	60 66
10	SEQ ID NO:7605 SEQUENCE LENGTH:339 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08852	acid				
. 15	SEQUENCE DESCRIPTION: GATCTGGAAT GTGAAGCGTT TTGGGAAAGA AAAAAGGAAG CCAAATGCAA TGTGAAATAT GAGGTGGGGG TGGGAGGCCA AGATTTTGAN TGATATTGGA AGTTTATAAA AGACTGTCTT	TGGAATGGGT TTTACTGGAC GCACGGTGGT TAATTATTGG	AACTCTTCTT TCTATTTTGA GAGGCAGTTG TAATTTTATG	GATTAAAAGT AAAACCATCT AGAAAATTTG	TATGTAATAA GTAAAAGACT ANTGTGGATT	180 240
20	AGITIALAAA AGAGIGICII	AMILIUUMIN	OLIMBANIII			555
25	SEQ ID NO:7606 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08853	acid				
	SEQUENCE DESCRIPTION:					
	GATCCTTTGT GAGCAAGTTC	TATTTGTTCA	TTGCTTGCCA	GAGATGAACA	CAGAATGTTC	60
30	TGTTTCATTT TACAAGAACT		· -			
	GATATAGTGA ACACTGGAAA					
	AGTCCCTCAT TAGATTTTTT AGTAGAATCA GGCACTGCTC					
	CTTGTTCTAA TATATATNTN			NUAUATIAAC	MIMAMINULI	337
35	VIIVIOIMI IMIMIMIMI	1				30,
	SEQ ID NO:7607 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS08854 SEQUENCE DESCRIPTION:					
	GATCCGTGGA TTGAGGGTGC					
	AGTTTTGTAG TTTTCAGAGT					
45	ATTITIGGTG CTATTGTAAA		TTAATTTCAA	TTTCAGATTA	TTCACTTAAA	
	TATACAGAAA TACAGCTGAT	AAA				203
	SEQ ID NO:7608					
50	SEQUENCE LENGTH: 207					
50	SECUENCE TYPE: nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGSO8855 SEQUENCE DESCRIPTION: GATCAAAACT TTTCATAATA AATATACAAC GGAGCATTCC ATGCTTGCNT GTACAGTACT TCAATAAATA TAATCACCTT	AGATGCTAGA CGTATGTTTT	GTGACAGCCT	CACTCAGACT	CAGGGGATGC	
10	SEQ ID NO:7609 SEQUENCE LENGTH:249 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS 08856 SEQUENCE DESCRIPTION: GATCTTCGTG GTGGAAAGCT	AAATTTTAAA	ACCACCCCAA	TGGATGCAGA	CAGTGATGTT	60
	GCATTGGACA TTCTAATTAC	AAATGTAGTC	TGTGTTTTNA	GAACAAGATG	TCATTTAANC	120
	TTAAGGAAGA TTGCTTTGGA	AGGNGCAAAT	GTAATTNATA	ANCGTGATGT	TGGAAAAGTA	180
20	TTANTGAGGC TTAGAAAACC	TAGANTTACA	GCTACANTTN	GGTCCTCAGG	AAANNTTATT	240
	TGCNCTGGN					249
25	SEQ ID NO:7610 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08857 SEQUENCE DESCRIPTION:	acid				
30	GATCTGTAGT ATTTTAATGT	GCATCTACTT	TAAATGAGTC	ATCTTGGGGT	TTTATAATT	60
	CCCTTATGTT CTCGCCCCTC					120
	NTCTCTTATA GGAGACAGGC					
	TCANAGTTGT AAAATATTTT	ATAACAGTTT	ACANCAACAG	CTGNAGANCA	ACATGCCACA	240
35	TTTTNTTTGC AGCATTTTCA	AATANTTTGT	TTTGTGGTGT	NAGCACAGGN	TAAANNTGGG	300
	GNGCGTCGAT GTGAGGCGN					319
40	SEQ ID NO:7611 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8858 SEQUENCE DESCRIPTION:			amprone at	######################################	60
45	GATCTACAAA AAATTCCTGG					60
	TATATGGCCT ANGAAAGCAA					
	TAAGGGTGCA GACATGAATG		AAAAUGNCCA	ACAGAAATCT	GIGATAANNC	
	GNAAGACTAA NGAAATTTTC	CNAAAGGN				208

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SEQ ID NO:7612

5	SEQUENCE LENGTH: 321 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08859	acid				
10	SEQUENCE DESCRIPTION: GATCTTCCCA CCTTCAGCCT GGTAGTTTTT NAAGTTTTTT CCTGAGCTCA AGCAATCCTG TAGTATATAG GTCATGAGGG	TGTAGAGGTG CTTCAGCCTC ATATGGGATG	GTCTAGCCAT CCAAAGTACT TGGTACTTAT	GTTGCCTAGG GGGATTACAG GAGACAGAAA	CTCCCGAACT GCATCTNCTG TGCTTACAGG	180 240
	ATGTTTTTNT GTAACCATCC CTTTTCTACT NCTAGTCTAA		AGCAGAAATG	CTGCGCTGGG	TATAATAAAG	300 321
15	SEQ ID NO:7613 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS08860 SEQUENCE DESCRIPTION: GATCCTTCCT AGGGGATGGG ATAGGAGGCC CACGGGCCTG AATCTCAACT CCCAAA					60 120 136
25						
30	SEQ ID NO:7614 SEQUENCE LENGTH:47 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08861	acid				
	SEQUENCE DESCRIPTION: GATCCCGTCT CTACAAAAA	TAAAAAAAA	TTAGTCGTGG	TGCCAAA		47
35	SEQ ID NO:7615 SEQUENCE LENGTH:36 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS08862 SEQUENCE DESCRIPTION: GATCACTITT TCAATATTAA	ATNTTATTTA	CATAAA			36
45	SEQ ID NO:7616 SEQUENCE LENGTH:260 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE:HUMGS08863 SEQUENCE DESCRIPTION: GATCATCATG AAATNATAAG	AGGGCTTAAG	AATTTGTCCA	TTTGCATTCG	GAAAAGAATG	60

	ACCAGCAAAA GGTTTACTAA	TACCTCTCCC	TTTGGGGATT	TAATGTCTGG	TGCTGCCGCC	120
	TGAGTTTCAA GAATTAAAGC	TGCAAGAGGA	CTCCAGGAGC	AAAAGAAACA	CAATATAGAG	180
5	GGTTGGAGTT GTTAGCAATT	TCATTCAAAA	TGCCAACTGG	AGAAGTCTGT	TTTTAAATAC	240
5	ATTTTGTTGT TATTTTTAAA					260
	SEQ ID NO:7617					
	SEQUENCE LENGTH: 102					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS08864					
	SEQUENCE DESCRIPTION:					
	GATCAACTTT AGTCACCAAC	CCAAATGGAG	GATTTNTGGC	TTGTGGGNCC	TTATATGCCT	60
15	ATAGNTGTGG ACATTTGCAT				ITATATOOCI	102
•		1.10110110101	diminoritimo	***		102
	SEQ ID NO:7618					
	SEQUENCE LENGTH: 228					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08865					
	SEQUENCE DESCRIPTION:					
25	GATCAAGGGG CCTCTCAGAA					
	CCAGGNCAAA ACCATGTGGG					
	TTCCAAATCA TGGGAGCCAC				CTGGAGCCGG	
	TCAACTNTTT GCTCATGGCT	AGIGAAAIAA	AGIIGIIIGA	GTACTAAA		228
30	SEQ ID NO:7619					
	SEQUENCE LENGTH:113					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS08866					
	SEQUENCE DESCRIPTION:					
	GATCTCTTAC TCCCCCAGTT					60
	TGGAAATATC TTTATCCTAC	TTTNTCCAAT	AAAGGCTGTT	CTTAGCTTTT	AAA	113
40	SEQ ID NO:7620					
	SEQUENCE LENGTH: 279					
	SEQUENCE TYPE: nucleic	acid		•		
	TOPOLOGY:linear					
	CLONE: HUMGS08867					
45	SEQUENCE DESCRIPTION:					
	GATCACCTGN CAAATGTTTG	AGGACGGAGC	TGTGCAGTCA	CATTATTGGG	GATTCCACAG	60
	CTGGTGCTGC AGGCCTTGCG	CCTCCAACCA	GGACTTTNTT	CTTAATGCTC	TCGACACTTA	120
	GCTAAACACG ACTATATCCC	GGCCCAGCAG	GCCCCAGCGC	CGTTAGTCTC	CAGCTGACTC	180
50	TGTGGGTTGG TCTTAAAGCA			CTGGCAATTT	TTNAGCTAAC	240
	TGTAATGATA AAAAGGGAGT	NTTAATCTAT	TCTGAATCN			279

5	SEQ ID NO:7621 SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08868 SEQUENCE DESCRIPTION:
10	GATCAAGTTG TGGTGGATAA CGTGTTTCCA AATTGCATCT TGTTGCTGAA ACTTCCTGGA 6 CTTGAGAAGT TACTTCATCA TGTGACAGAG GAAAAAGGTA ATCCAGAAAT AGACAACAAG 12 AAATATTACA AGTNCAGCAA AGNGAAGACA TTAAAGTGGC TGGNAANNNN GGTTAATCAA 18 NCTGTGGCAG CATTAANN 19
. 15	SEQ ID NO:7622 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
2 0	CLONE:HUMGS08869 SEQUENCE DESCRIPTION: GATCCAGAAA GTAGCAATAT AGGACTTTAA GGGGTATGTA TTAGTGTAAA TAATATATGT 6 GCAGTCTAGG CTAATCATNT TAATTAAAAA CAAATAAGCA TACTTTTTTN CTTTAAAAAAT 12 ATGCCCTCAA AATGGTGGGG GATAAANTGT AAGATATTCT TTAGCTGNNN TTATTTNNCC 18
25	GNCN 18-
30	SEQ ID NO:7623 SEQUENCE LENGTH:212 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08870 SEQUENCE DESCRIPTION:
35	GATCCTAAGT CTCTTACAAA AGCTTTGAAT ACTGTGAAAA TNTTTTACAT TCCATTCAT 6 TTGTGTTGTT TTTTTAACTG CATTTTACCA GATGTTTTGN TGNTATCGCT TATGTTAATA 12 GTAATTCCCG TACGTGTTCA TTTTATTTTC ATGCTTTTTC AGCCATGTAT CAATATTCAC 18 TTGACTAAAA TCACTCAATT AATCAATGNA AA 21
40	SEQ ID NO:7624 SEQUENCE LENGTH:373 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08871
45	SEQUENCE DESCRIPTION: GATCGCAGAC CGCGCTGCCC ACGACGAGTC CCCGGGGAAC AACGTGGTTG GACATCAGCG 6 TGCCGCCCAC CACGGACGGA CAGAAGTCTC TTTAAGAAAA TAGTTTAAAC AATTNGNTAA 12 AAAATTTTCC GTCTTATTTC ATTTCTGTAA CAGTTGATAT CTGGCTGTCC TTTTATAAAT 18 GCAGAGTGAG AACTTTCCCT ACCGTGTTTG ATAAATGTNG TCCAGGTTCT ATTGCCAAGA 24

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ATGTGTTGTC CAAAATGCCG TTTAGTTTTT AAAGATGGAA CTCCACCCTT TTGCTTGGTT 300

	TTANGTATGT ATGGAATGTT GAANTGGGTG GNN	TATGGATAGG	GACATAGTAG	TAGCGGTGGT	CAGACCATGG	360 373
5	SEQ ID NO:7625 SEQUENCE LENGTH:74					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08872	acid				
10	SEQUENCE DESCRIPTION:					
	GATCCTACAA GCATGTCTGC	TGTAACTCTA	TGTATGTTTT	CTGTAAAATC	ACATACCTAT	60
	AAAATAAAAA GAAA					74
15	SEQ ID NO:7626					
	SEQUENCE LENGTH:53					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08873					
20	SEQUENCE DESCRIPTION:					
	GATCGTGAAC ACTGCATTCC	AGCCTGGGTG	ACAGAGCCNG	ACCCTGCCTC	AAA	53
	SEQ ID NO:7627					
25	SEQUENCE LENGTH: 379					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS08874					
30	SEQUENCE DESCRIPTION:					
	GATCTACCCA CCTTGGCCTC					60
	CCTCTGCAGT TGTTTAATAA					
	CATGAATTAC ATATTCAGAC					
-	CTACACCTAT TCTACAGTCC					
35	CGGGTTTGCT TGCGTGCCAC					
	CAAGATGATG GNAATAAGGC CTGATTTGGT TTAGGATTN	AGITTGAACG	GACAGICTIC	CUACAGICAG	GCCATTITIG	379
40	SEQ ID NO:7628					
40	SEQUENCE LENGTH:212					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08875					
45	SEQUENCE DESCRIPTION:					
	GATCGGGCGC TGTGCAGTGT	* *				60
	ATTCCTCTTT ATCTCTCATT					
	CGTTTTAGTC TGTCAGGCTC			TTGCTTAACT	TGACATTCCA	
	TGTGCCGCTA ATAAAATATA	TTTTGAAAGA	AA			212

5	SEQ ID NO:7629 SEQUENCE LENGTH:350 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08876
10	SEQUENCE DESCRIPTION: GATCAGAANT AATTACCATT CCCNGTGTTT TGCTGTAGGA CCTTCAGGTC TATGTTCTAA 6 GTGGGGNTTA TGAAACTGGT AATAGAAAAT AATGGAGAGC AGTTAAAGAG TTAATATACA 12 TTATTAATAT GNGTGCTCTC TACAGGCACA CAAAGCCTGT AGACTCAACA AATTTACTCC 18 TGAAGTTTTC CAAATTTGCA AAATCTGCAA TTTNTGTGCC ACATAAAGCT NTCCAGAAAT 24 TGAAAANCNG TAAANCACCG GGTCTCANTT TNTTCCTGCA TTTCACTGAT ACCTTAANTT 30 ACATAGNTTA NCTTCTTTAN AGCACTACCT TTTTNGCTGT TGNTATTAAN 35
15	· · · · · · · · · · · · · · · · · · ·
20	SEQ ID NO:7630 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08877 SEQUENCE DESCRIPTION: GATCTCACAA CTGCACTCCA GCCTGGTGAC AGAGCAAGAC TCCATCAAAA ATAAACAAAT 6
	AAAACAAACA AACAAA 7
25	CEO ID NO. 7021
30	SEQ ID NO:7631 SEQUENCE LENGTH:185 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08878 SEQUENCE DESCRIPTION: GATCAAAGTC TGCTTCATTG TCTTGTTCCC CATTTTAATG GCAATGTTAG GTATAATNTT 6 TGCTTTTATT AAGTATAATN TTTGCTTTTG TTGGTAGAGT TTTACGATTT TACATCAGAA 12 GTACCTGTTC AACTTAATTG CCACGTTTAA GCATCAATTA AAATATTTTC ATTGAACTCA 18 TGAAA 18
40 .	SEQ ID NO:7632 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08879 SEQUENCE DESCRIPTION:
45	GATCTTTTAG GAATTAAACT TGCAAATNAA ATGAAATATG TTGGGACTTT GGCATAATTT 6 GAATATAGCA TTGTGTGAGT TGTGATTGTN TCTTCCTAAT TGTGCTGTAA TAACCTGTGT 12 ATGAGAATAA AATGATTTCC ACCATCAAA 14
50	SEQ ID NO:7633 SEQUENCE LENGTH:193

	SEQUENCE TYPE:					
	TOPOLOGY: linea CLONE: HUMGS088	-				
5	SEQUENCE DESCR	- -				
	•	GATTACT GTGTAAAAT	A TTTTTGCACT	GTTGTGAAGT	ATTTTTAACT	60
	TTTTTCTGTA CAT	AACTGTG TTCTCAGAG	C TGAATGTTTA	TATCTTTTGC	TGTGCAAAAG	120
	AAACANNNNA AAT	GTTGTTC AGTTGTATA	T ACAGAAATGT	GTATAAAACA	TTTTGTTATT	180
10	TTTNAAAAGT AAA					193
	SEQ ID NO:7634					
	SEQUENCE LENGT	H:148				
	SEQUENCE TYPE:	nucleic acid				
15	TOPOLOGY: linea	r				
	CLONE: HUMGS088					
	SEQUENCE DESCR					
		GTAGAGT GGACAGTCA				60
20		ATCCTTT CAGCTTTAC	r tagtgcgatg	TTTTAGAAGC	AGTCTTCAAA	
	GAATAAAACA CTA	ACCATGC ATGTGAAA				148
	SEQ ID NO:7635					
	SEQUENCE LENGT					
25	SEQUENCE TYPE:					
	TOPOLOGY: linear					
	CLONE: HUNGSO88	-				
	SEQUENCE DESCR		P	<i>ርር ነ ጥጥር</i> ጥጥር ጥ	ጥ 4 ጥ 4 ጥ 4 ጥጥጥ 4	co
30		GTCCTNT AGCCTAGTA FATTATA GGNTTNGTG				
		TACTGTA ATATTTTTC				
		ATAAAAT TTTAACACT				
		ATGGGCA CCTGAAAGT				
35	•	ATTAAAC CTAATTTTC				
	AGGAAGTACC GTT					376
	SEQ ID NO:7636					
	SEQUENCE LENGT	H:279				
40	SEQUENCE TYPE:	nucleic acid				
	TOPOLOGY: linear	r				
	CLONE: HUNGS 088	83				
	SEQUENCE DESCR	IPTION:				
45	GATCCCATTC ATT	STCCCCT TTGGGGTAT	T TCCAATACTT	GAATGGCAGA	TTGGAGTTTT	60
	TCAGAGTATG TGT	TTCATCT GCTAGTCTT	CTCTCCTTCA	TAGCTTTTCT	TTTCCTGGAC	120
		STTGCTT TTGCGTTTC				
		TGGCAAA GGAGCTCTA		TTTGTATACA	AGTTAGGNCC	
	AGCTGTTGTT ACA	IGTAATA TNNTGGTTC.	A GAACTTGAN			279

	SEQ ID NO:7637 SEQUENCE LENGTH:373					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY: linear	4014				
	CLONE: HUNGS08884					
	SEQUENCE DESCRIPTION:					
	GATCTCTGAT TGCATCTATG	TGGATTCTTT	TTGGAGGTTA	TGTTGCTAAA	GAAAAAGACA	60
10	TAGTATACCC TGGAATTGCT					
	TTTTTAAGTT TGGCCGCACT					
	CAACAGCCCT GCATGGGTTT				-	
	CATTTNCTAA ACTTATTTCT CGAGAACACC TAAACANCAN					
15	ATGTTAGGTG GTN	CCAAAAATCT	ATTOLOGIAL	GCACTIGATI	AACITATAAN	373
	SEQ ID NO:7638			•		
	SEQUENCE LENGTH: 53					
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08885					
	SEQUENCE DESCRIPTION: GATCACACCA CTGGCACTCC	ACCCTCCCCC	ACACACTCAC	*CTCCCTCTC	444	53
25	UNICACACCA CIGUCACICC	AGCCIGGGG	ACAGAGIGAG	ACICCUICIC	AAA	53
	SEQ ID NO:7639					
	SEQUENCE LENGTH: 363					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS08886					
	SEQUENCE DESCRIPTION:					
	GATCCGAACT GGACTCACAT					60
25	TCGCGCAGTT TAGACATCTC					
35	AAACTCTAGA TATTAGTTGA TGTTCTGTGA CTCAATTGTG					
	GTATAATGTT TTTCTCTTCT					
	TCACGGGTTC AATCTTTTGT					
	TTN					363
40						
	SEQ ID NO:7640					
	SEQUENCE LENGTH: 270					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS08887 SEQUENCE DESCRIPTION:					
	GATCTGGTTC TGAGGAGGAC	ACACCTGGC A	TOGGATGACO	TTTATAAATT	ATCTATGAAA	60
	ATGCCAAAAG CTCTCAAGCC					
50	ACTTATGGAA GGATTCATAT					

	AAGGGGTTGA AGAAGCGACC AAGAATTAAA AAAAATTGAT			ACCACGNGGA	AAAAGTCAAA	240 270
5	SEQ ID NO:7641					
	SEQUENCE LENGTH: 336					
	SEQUENCE TYPE: nucleic	acid		•		
	TOPOLOGY: linear					
10	CLONE: HUMGS08888					
	SEQUENCE DESCRIPTION:					
	GATCTCTGAA AAGACGTTAT					
	GTCCATTAAC AATTCAGGTT					
15	AATGTCAAGT TCCCAAGTTC					
75	CTAGCCAATA GCATTTACCT					
	ATAACAAGAA TAGGGTAAGC			TTUACTUTUT	ATAGANTATA	
	GTAACCTTTA TGAAACGGGG	CCNINIAGII	IUUUIN			336
20	SEQ ID NO:7642 '					
20	SEQUENCE LENGTH: 331					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08889					
25	SEQUENCE DESCRIPTION:					
	GATCCATTTC AGATACTTGT	GGCAGCAAAC	AAAGCAGTTC	ACCTCTACAA	ACTGGGAAAA	60
	ATGAAGACAA GAACTCTATC	TACTGAAATN	ATTTTCANCC	TTTCCCCAAA	TAACAATATT	120
	TCAGAGGCTT TGAAAAAATT	TGGTATCTCA	GCAAATGACA	CTTCAATTCT	AATTGTTTAC	180
30	ATTGAAGAGG GAGAAAAACA	AATAANTCAA	GANTACCTAA	TATCTCAAGT	AGAAGGTCAT	240
	CAGGTTTCTC TGAAAANTCT	TCCTGAAATA	ATGATTATTA	CAGANGTCAA	ANAGGTATAT	300
	AANCTCTCTT CACAGGNGGN	ANGTATCGGA	N			331
	SEQ ID NO:7643					
35	SEQUENCE LENGTH: 327					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08890					
40	SEQUENCE DESCRIPTION:					
40	GATCCACTGT CCGGCAGAGG	AAAAATGCCA	GCTGTGGGAC	AAGGAGTGCA	GGCCGCACAA	60
	CCTCGGCAGG CACCGGGGGG	ATGTGGCGAT	TCTACACAGA	AGATTCACCT	GGGCTCAAAG	120
	TTGGCCCTGT TCCAGTATTG	GTTATGAGTC	TTCTGTTCAT	CGCTTCTGTA	TTTATGTTGC	180
	ACATTTGGGG CAAGTACACT	CGTTCGTAGA	TTCAGTTACA	TCCATCTGTC	ATCTGAAGAA	240
45	GGAGGAAAAA ACCCAACATT	TCTTGGACCA	AAAGTATAGT	GACTATCTGT	TCATGAGAGA	300
	AATTTCTGT NAGCTTGCTG	TTTTGAN				327
	SEQ ID NO:7644					
	SEQUENCE LENGTH: 287					
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS08891 SEQUENCE DESCRIPTION: GATCAAGATG AAGTTCAGCT AGAAGTCATA CCACCCTCAG GAATCAGCTA AGTAATTATN 60 ACTTGATTCT TTTAGCAAAT CAATGCACGT NATCCTACTT AATCCTTAAA TAAGTTTAGA 120
	TTTAACTAAC CCAAAGTCCA GGAGGATGTT CTTACAAAAN TAGCTATATC ANGGGCTGGC 180 ACCTAGACAT TAANCTGTAA TTNGANAATA AGCAACATGT TGCATAACTN GTTGGAATAA 240
10	TTCCTTGTNC TGTTTAACAC TTGTCATAAN TTAGCAGNGT AANNNTN 287
15	SEQ ID NO:7645 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS08892
	SEQUENCE DESCRIPTION:
	GATCTACCCA ATTAGAAATG CAACTTGAGA AACCCAAACC TGTAAAACCA GTGACGTTTT 60
20	CCACAGGCAT CAAAATGGGT CAACATATTT NACTGGCACC TATTCACAAG CTTGAAGAAG 120 CTCTGTATGA ATACCAGCCA CTGCAGATAG AGACATATGG ACCACATGTN CCTGAGCTTG 180
	AGATGCTAGG AAGACTTGGG TATTTAANCC ATGTCAGAGC TGCCTNACCA CAGGACCTTG 240
	CTGGAGGCTA TACTTCTNCT CTTGCTTGTC ACAGNGCACT ACAGGATGCA TTCNGTGGGC 300
	TTTTCTGGCA GCCCAGTTAA CCATTTN 327
25	327
	SEQ ID NO:7646
	SEQUENCE LENGTH: 329
	SEQUENCE TYPE:nucleic acid
30	TOPOLOGY: linear
	CLONE: HUNGS08893
	SEQUENCE DESCRIPTION:
	GATCTGGCTG CTCATGAAGA CAAAGTTCTG AGTGTAGACT GGACAGACAC AGGGCTACTT 60
	CTGAGTGGAG GAGCAGACAA TAAATTGTAT TCCTACAGAT ATTCACCTAC CACTTCCCAT 120
35	GTTGGGGCAT GAAAGTNAAC AATAATTTGA CTATAGAGAT TATTTCTGTA AATGAAATTG 180
	GTAGAGAACC ATGAAATTAC ATAGATGCAG ATGCAGAAAG CAGCCTTTTG AAGTTTATAT 240
	AATGTTTTCA CCCTTCATAA CAGCTAACGT ATCACTGGGG CTTATTTTGT ATTTTATAAT 300
	AAGNTAGGGT TGTGTTTTNT NAAATNCGN 329
40	SEQ ID NO:7647
	SEQUENCE LENGTH:93
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
45	CLONE: HUNGS08894
	SEQUENCE DESCRIPTION:
	GATCTTCAAG TGAACATCTC TTGCCATCAC CTAGCTGCCT GCACCTGCCC TTCAGGGAGA 60
	TGGGGGTCAT TAAAGGAAAT CTGGGACAAC AAA 93
50	
	SEQ ID NO:7648

5	SEQUENCE LENGTH:283 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08895
10	SEQUENCE DESCRIPTION: GATCTGCATG CATTGCTTGC ATTTTNNTGG TATCTGAATG TTGGTTCCTT GTTCCAGGAA 60 TTCAACATTA NTTTCCAAAA GTATCATGGG ACTTGTGACA ATACANGTCA TGAATCTATG 120 TATAAAATTT ATCGGCCTTT CTCATTTACC TGCTCTAGTA TTATTGTATT GTGTGTGCGT 180 GCGTGTGTGA TGTCAGGCTG CCACGTAAAA CTTCAGAGGA AAATCTTAAA NGCAGGCCAT 240 CCTTTTTNGC ATGCTCTATT CTAAGTAGGA ATGTTCAATG TAN 283
15	SEQ ID NO:7649 SEQUENCE LENGTH:276 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
20 .	CLONE: HUMGS08896 SEQUENCE DESCRIPTION: GATCACCTGT AGGTCAATAG TTCGAGACCA GCCTGGCCAA CAAGGTGAAN CCCATCTNTA 60 CTAAAAATAC AAAAAATTAG CCAGGTGTGG TGGTGTGCAC CTGTAGTCCC AGCTATTTGG 120 GAGGCTGAGG TGGGAGAATC ACTTGAACCT GGGAGGCGGA GGTTGCAGTG AGCTGAAATC 180 GCGTACCACA CTCCAGCCTG GGTGACAGAG CGAGACTGTG TTTCAAAGAA AAAAANAACC 240
25	AGGCAGCCTT TTGCTTGGTT GGAATCTGAT TTTCTN 276
30	SEQ ID NO:7650 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8897 SEQUENCE DESCRIPTION:
35	GATCTAAATA TTCAGGTTTT AAGCCTGCTG CAAACTTTTA AAATATTATG ATAGNTTCTG 60 TACTACATGT GGGAAACAAG CAAGAACTAA ATAATCAAAT GTTGTCAACC AAAAGTAATA 120 GTTGGGTATT GGAGATTTTT TTAAAATGTT TTTATGTTAT TNGCTATTTG GAGTTAAATA 180 AA 182
40	SEQ ID NO:7651 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE:HUNGSO8898 SEQUENCE DESCRIPTION: GATCTNAGAA AACGTTTAAT ATCAGATTTN TTTATTTTTN CCAACACAAC TGAATCAGTT 60 TTCTTAAATA AAAGTTTATT GTCTACTGTT AAA 93
50	SEQ ID NO:7652 SEQUENCE LENGTH:275

	SEQUENCE TYPE:nucleic at TOPOLOGY:linear CLONE:HUNGSO8899	cid				
5	SEQUENCE DESCRIPTION: GATCTAAAGT TAGTTGCCTT TO TTTTTTTAACA AATGGAAGTA A					
	TACCTTAATT GTAACTGTCA G'					
10	GTATTTCTTT TGATGTTTCA A			AAATITUTUA	AAMIAIAII	275
	SEQ ID NO:7653 SEQUENCE LENGTH:279					
15	SEQUENCE TYPE: nucleic a	cid				
	TOPOLOGY: linear					
	CLONE:HUMGS08900 SEQUENCE DESCRIPTION:					
	GATCTTTAGG TGTTGAACTG G	GAATATGCT	CTGCAACACC	CAGGATTAGG	ATAGAGATGG	60
20	ATTTCATTTT ATATGGGCTA G					
	AAAGGAGGTG CTCTGTTATC TO					
	TGATGAGCTG GCAAGGNGCA G			AGAAAATTNG	AACCCCATCC	
	ATATAACACG TGNACGTGCA T	TAAATAGCT	TGAATTGTN			279
25	SEQ ID NO:7654					
	SEQUENCE LENGTH: 264					
	SEQUENCE TYPE:nucleic a	cid				
	TOPOLOGY: linear					
30	CLONE: HUMGS08901					
	SEQUENCE DESCRIPTION:		maa . aama	C.C.TCC.TT	ጥህምጥርር ል ርርጥ	60
	GATCAAGACC AGAAAGAAAT T. TTTCTGTCTC AACTGGTCTC T					
35	GCAGCAAGCA TCATAATTAG A					
33	TGATGGAAGA GCTGAAAACA C					
	GAATTCCCAT ATTAATAAAG A	ANGN				264
	SEQ ID NO: 7655	·				
40	SEQUENCE LENGTH: 61					
	SEQUENCE TYPE:nucleic a	cid				
	TOPOLOGY: linear					
ue.	CLONE:HUMGS08902 SEQUENCE DESCRIPTION:					
45	GATCTTTTAG GAAAAAAAA A	TTTTTATAA	AACATTAAAG	CAGTCACTTT	GGTTTATCAA	60
	A					61
	SEQ ID NO:7656					
50	SEQUENCE LENGTH-66					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
5 .	CLONE:HUMGS08903 SEQUENCE DESCRIPTION: GATCTGTTTG CTTAGCTGTC GAGGTN	AACAAAAAGA	AAACCTGAAG	GAGCATTTGG	AAGTCAATTT	60 66
10	SEQ ID NO:7657 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08904	acid				
15	SEQUENCE DESCRIPTION: GATCTNACTA AGCTTTCTTA CAACAATTGT CCCTGTTCCC GGCAAGATTA TATTGAAAAA	ACTACTTTTT	AAAAATGTCC	TTAGTAAAAA	GTGTATATGA	
20	TTCAGCATTG TTNTCAAAAT ATATGCAGCA AN	CACAAACTGT	TAGGNGACTC	TGACATCAGG	TTTGTTCTCC	240 252
25	SEQ ID NO:7658 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08905	acid				
30	SEQUENCE DESCRIPTION: GATCTACATG GATGTTCTGT ATACCTTAGT TTTTAAATCT TTTTTAATAA AAACTTTGCC	GCATTGTGGT	CATAATCTGT			
35	SEQ ID NO:7659 SEQUENCE LENGTH:23 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS08906 SEQUENCE DESCRIPTION: GATCCCAAAA GTAGCAAGAG	AAA				23
45	SEQ ID NO:7660 SEQUENCE LENGTH:280 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08908 SEQUENCE DESCRIPTION:	acid				
50	GATCAATTGC AGAATGATAC TTCCTCATAA AACTCAGTAC					

	TTNAAACGGA TTGGAAGG	AT ACAGACCAAA	CTCTTGATAG	TGGTCACCTG	TGAAGAGTGG	180
	AGAAGGGAAA ATNATGAG	TG TGGGAGGTGG	GATGGGTATT	GGTTAANGGG	GACTTCAGCT	240
	TTTTATATAA ACATCCAC	IT CTCTTTCAAA	AAGNCTTCAN			280
5						
	SEQ ID NO:7661				,	
	SEQUENCE LENGTH: 137					
	SEQUENCE TYPE: nucle	ic acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS08909					
	SEQUENCE DESCRIPTIO					
	GATCATTTTA AAAAACTG					
	CAGTATGGCA GTTAATTA	TA AAATNATTTT	GATGAATTAT	GATACAATCT	ACATAATAAA	
15	GAATNCTTTT GATTAAA					137
,	CEO IN NO. 7662					
	SEQ ID NO: 7662 SEQUENCE LENGTH: 305					
	SEQUENCE TYPE: nucle	ia aaid				
20	TOPOLOGY: linear	ic aciu				
	CLONE: HUNGSO8910					
	SEQUENCE DESCRIPTIO	N -				
	GATCCTAAAA CTGTCTCT		TAGATGTTTG	TTTATAATGT	TTACAAAACA	60
25	TTTTGGTGAA TTTCCTCA					
	TTAGCCATCA TGTAGCTT					
	GGTGTGGTAG CATGTGCC					
	AATAGAGACT TTCCTTAA					
	TTGTN					305
30						
	SEQ ID NO:7663					
	SEQUENCE LENGTH: 103					
	SEQUENCE TYPE: nucle	ic acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS08912					
	SEQUENCE DESCRIPTION					
•	GATCCTAACC TTGAAGTA				AATAAAATAT	
40	GTAGTTGTGT CTTAATGG	AA TTAATAAATG	TCATTTCACT	AAA		103
	ana in ua 6664					
	SEQ ID NO:7664					
	SEQUENCE LENGTH: 211					
45	SEQUENCE TYPE:nucle TOPOLOGY:linear	ic acid				
45	CLONE: HUMGS08913					
	SEQUENCE DESCRIPTION	N -				
	GATCAAGGAA TAAAGAAT		ADDITOTODD	GGTTCTCTTA	ATTATCAGTG	60
	ACACATTAAT INTITICO					
50	AGTTTTGCAG GACCTTAA					

	GGTTATTGTA GCGCATGCTT TTC	CAGGTAGT N		211
	SEQ ID NO:7665			
5	SEQUENCE LENGTH: 71			
	SEQUENCE TYPE:nucleic aci	id		
	TOPOLOGY:linear			
	CLONE: HUMGS08914			
10	SEQUENCE DESCRIPTION:			
70	GATCTTAAAT TTTGTGATAT GGA	AGCCCTGT AATNTTTTTC	TTATATAAAA ATGGGTATCT	60
	ATATTCATAA - A			71
	SEQ ID NO:7666			
15	SEQUENCE LENGTH: 344			
	SEQUENCE TYPE: nucleic aci	i d		
	TOPOLOGY:linear			
	CLONE: HUMGS08915			
20	SEQUENCE DESCRIPTION:			
20	GATCCCAGCT CATGGCACAG CCG	GTTTGTAT CCTCGGAAGA	ACGGAAGGAA CGATGGGAAC	60
	AGGGCCAGGC TGATTATATG GGA	AGCAGATT CCTTTGACAA	CATCAAGAGG AAACTTGACA	120
	CTTACCTCCA GTAGAAACAC TGC	CATTITTC TGTGAACACA	TCCACTTCAC AAGCCTTGTT	180
	TCTGATACTT AGTATCTAGA GCT	TGGGTTGA GAAAAGTCTG	TTACAGTTGC TAGAGGTTTT	240
25	CATTAAANCT TATCAGGNGG GCG			300
	TGTGAAGCAG CAATTCTGTT ATA	ATGGNCAG TGTTCTGCTT	TTTN	344
	SEQ ID NO:7667			
	SEQUENCE LENGTH: 200			
30	SEQUENCE TYPE: nucleic aci	id		
	TOPOLOGY: linear	. —		
	CLONE: HUMGS08916			
	SEQUENCE DESCRIPTION:			
35	GATCACGACT GCTGCACTCC AGC	CTGGGTG ACAGNGCGAG	ACTCCATCTA AAAAAACAAA	60
	AAGCAAAAAA ACCCACAAAT ACC			
	TTTAATTATG TTAACTCTAA TCT			
	TAATGATTTT TTAACCTAAA			200
40	SEQ ID NO:7668			
	SEQUENCE LENGTH: 277			
	SEQUENCE TYPE: nucleic acid	d		
	TOPOLOGY: linear			
45	CLONE: HUMGS08917			
	SEQUENCE DESCRIPTION:			
	GATCTCATTT TCAAGTNTGA GTCT	TGACCAA CCATGGAAAA 1	FATTCGACAT GAATTAATGT	60
	AGAGAACTAT AAAGCATTTA TGAG			120
50	ATGTTTAGAG ACCTCTCAGA AAAA			
50	CTTCTGAAAA TATCTGTATT CCTC	GCTCTGG GGNTGCTGTC A	ACTGTCAATC TGCTATATTT	240

	TTCACTATCC TATTAAAATA	TTACTGTCTC	CTTTAAA			277
5	SEQ ID NO:7669 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08919	acid				
10	SEQUENCE DESCRIPTION: GATCTTCTAC ATTTATATTT TTTTGAGCTC TTGCTACAGT AAAGAACAAG ACTGTTTTAT	CGCCTTTGCT	ACTGCTTTAA	GAGAATTTAC		
15	SEQ ID NO:7670 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08920	acid				
20	SEQUENCE DESCRIPTION: GATCCAAATC TGGTTCAAAC GTGGTTCTGT NGTTCCCTTG					60 111
25	SEQ ID NO:7671 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08921	acid			٠	
30	SEQUENCE DESCRIPTION: GATCTGTCAC TGTTCCCCGT CAGGGCTCCC ACTGATTCTA ATAATAATAG AAATAAAGTG	CATTTTGGTG	AGTTGTATAA			
35						
	SEQ ID NO:7672 SEQUENCE LENGTH:239 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS08922 SEQUENCE DESCRIPTION:					
45	GATCTGGAGA GGTTGTTTGT GTGTGCAGGG CGCGGATTTA CCATGTGTCC CCTACCCCCC AACACCAAGG CATTGTATTT	AAGTCCAATT AATTTCTTGT	TCTCATGACC CCCCTCTTAA	AAAAAATGTG AGAGCAGTTG	TGGTTTTTTC TCACCACCTG	180
50	SEQ ID NO:7673 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic	acid				

		TOPOLOGY:linear					
		CLONE: HUMGS08923				•	
		SEQUENCE DESCRIPTION:					
5		GATCCTTTCA TTAATCAGAA					
		CAAAAATCAG AAACCTAAAC			+ +		
		CATATGTCAC GAAGTTCACC					
		TTTGCACTAC TATGGGAATG					
10		GACTGCAGAG CAGCTCTTTT		TATAGAAAAA	ANACCTCGTA	ATCAACTTGA	
		CTCANGATTG ACTCTACAGA	UTUGGAN				327
		SEQ ID NO:7674					
		SEQUENCE LENGTH: 377					
15		SEQUENCE TYPE:nucleic	acid				
75		TOPOLOGY: linear	0010				
		CLONE: HUMGS08924					
		SEQUENCE DESCRIPTION:					
		GATCTCCCNT AATTGGGAAT	GAANGATTTC	ACAGACTAGA	GTCTCCGATG	CTGGTCATGA	60
20		TGTCAAAACT AAGTTCTGAC					
		ATGGGAGGGC CATAATTCTG					
		NCTNTGGAAG CCCAGCCAGG					
		AAGGTCTAAG GTTTGGAATC	TCCCCCTCAT	GGAGAGAAGC	TTTGTATGGC	TGTCATGCTT	300
25		AGACAGTGAT TCCTGCAACT	TGACCTTCAG	GCTGGGAGAG	GTNGAGAGCC	ATGCCTGTTT	360
	6	CTCCTTNCTT TGCTATN					377
		SEQ ID NO: 7675					
00		SEQUENCE LENGTH: 350					
30		SEQUENCE TYPE: nucleic	acid				
		TOPOLOGY:linear					
		CLONE: HUNGS08925					
0		SEQUENCE DESCRIPTION:					
35		GATCTGCTTC CCGCAAGACT					
		TCCCCTCCAG AGGGCCTCTC					
		GAGGGCAAGG AAGAAGCCAT					
		TTCTGTATTT TGTTGGTCAC					
40		GGCATGAATT CTAGGAGGTG				TGTCACAACC	
70		TGGAAGTTAA AAGCATTGAT	ATTCTGAAAT	ACAGCGTGTA	TTACCATGGN		350
		SEQ ID NO:7676					
		SEQUENCE LENGTH: 335					
45		SEQUENCE TYPE:nucleic	acid				
70		TOPOLOGY: linear					
		CLONE: HUMGS08926					
		SEQUENCE DESCRIPTION:					
		GATCTAGAGG AGGATTTGCA	GGAAGAGCTC	GTGGAAGAGG	TGGTGGCCCC	AGTCAAAACT	60
50		GGAACCAGGG ATATAGTAAC					120

5	AAGGTTACGG TGGTTATGGA GTGATTATAG CAACCAGCAG ATAGCTACAA ACCATACTAA AGTATTTTCC AATTTGAAGA	AGTGGTTATG NTTATTCCAT	GGAAGGTATC TTGCAACTTA	CAGGCGAGGT	GGTCATCAAA	240
10	SEQ ID NO:7677 SEQUENCE LENGTH:295 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08927	acid				
15	SEQUENCE DESCRIPTION: GATCCAAATT TGAAGCTCCA ACTAGAGTTT ATATTGAAAT TCATTTTTCT AACACGAGTC TTTACTGTAA AAAATAAGAA TTTCAGTATA CTCAGTAACT	CAAAACTTCT AGTATGCTTG AANNTTTTAA	AAAAATAAAA ANGTTTTCAT AATGCTTTAT	ATCAGTAAGA TGTATTTGAT TGATTAANTT	TTAATTTTAC GTCATGTAAA TAGGGTTGCT	120 180
20		000/8/01/01/0			····	
ar.	SEQ ID NO:7678 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS08928 SEQUENCE DESCRIPTION: GATCTTTTGT TAACTTTTAA CGGCTAGAAA GCGGAAAACC TATTAATACA GGCAAA					
30	SEQ ID NO:7679 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic	aaid				130
35	TOPOLOGY:linear CLONE:HUMGS08929 SEQUENCE DESCRIPTION:			DECENDED		
40	GATCTGGGAA CGGAAGATGA AGGCAAACAT AATTATACCT TCCATTCACC AAAACAGAGT GAATCCTGGC TGTTTTCATT AGTTGTGGGT TAGCTCTCGG AGAGCTTCCN	NCTCCTTTGT TGGGTCTATA TTTAAAAAAT	TCTGGGAGGT TTTNACCCGG TATGAGATTA	TTTTCTCTTC CTGGCTCTTG NCTACCAAAC	TCATCTCCCC GAACTGCAGG TTGAGATGTA	120 180 240
45						
50	SEQ ID NO:7680 SEQUENCE LENGTH:177 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08930	acid				

	SEQUENCE DESCRIPTION:					
	GATCTGCCAT GTAGGAATGA	GACAAATACA	GTTTGCTTAT	GAAAGGAAAG	TGGCATACTT	60
	TTAAATTGGT CTACACAGAA	AAGTAAAAGT	AAACTATTCA	TTTAAATAAG	ATTCATTATC	120
5	TAATAAATAT TGAGGGAATA	TTTTTCCTAA	ATAAAAATTT	TTCTGACTGC	TAACAAA	177
	SEQ ID NO:7681					
	SEQUENCE LENGTH:84					
10	SEQUENCE TYPE: nucleio	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08931					
	SEQUENCE DESCRIPTION:			•		
	GATCTAAGCT TTCTTTAATA	TAAAAAAAAT	NATACTTCTC	TGAACTGTTT	AATAGAGCAA	60
15	TAATTAAATA CATCTTCTGA	TAAA				84
	SEQ ID NO:7682					
	SEQUENCE LENGTH: 285					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08932					
	SEQUENCE DESCRIPTION:					
	GATCTGTTGG GAAAGATAAG					
25	ACACCGTTTT GGCCAGATTG					
	AGAGAATTTC CCTGGAAGTT					
	ATTGCCGTTA ACTGTGAACA				GCCAATTTGG	
	AGACCTAGAC ATTCAGCTCA	CTGCTTAACT	CANCATTAAA	TTTTN		285
30	SEQ ID NO:7683					
	SEQUENCE LENGTH: 313					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
35	CLONE: HUMGS08933					
	SEQUENCE DESCRIPTION:					
	GATCTCAATT CTGTTTCCTC	TCACATGATT	ACTTGATAGE	TAAGCATCTG	ATTGGTTTAC	60
	TGCTTTACCA CTGAGCTGAA					
	GTTTTTNTCA CTCAGCACTT	TTTCTCCATA	TTCTTCAAGA	CGATTGTGAG	TATGGTACGT	180
40	AACAGGAATT ACATCTGGTA	AGTTGTATAG	TTTTGTGTAG	GAACTCTATA	TTCATAGCAT	240
	ATTTGTGGAA ATGATACCTA	TGGAGGTTTC	TCACACTGGT	GTGTCATTAT	ACATTAATTG	300
	TACAATATGC ATN					313
45	SEQ ID NO:7684					
	SEQUENCE LENGTH: 110					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS08934					
	SEQUENCE DESCRIPTION:					

	GATCAGTAAT GGCAAGAGCC TTGGNTTCTT TCTACAAGAN				TTCTACAAAA	60 110
5	SEQ ID NO:7685 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO8935	acid				
	SEQUENCE DESCRIPTION: GATCCCAAAA ACCGGGCAGC CCAGGATGCA GGGCTGGCTC TTAAAAGAGA AA					
15						
20	SEQ ID NO:7686 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08936	acid				
0F	SEQUENCE DESCRIPTION: GATCCCATGC CTGAAATNTG ATAAATCATT GTGTTTGACC		TACAAAAATC	ATTTTTACGT	TTTATTTTTA	60 85
25	SEQ ID NO:7687					
	SEQUENCE LENGTH: 333					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS08937					
	SEQUENCE DESCRIPTION:					
	GATCCTAGTC ATGACTATAC					
	GAATTGCCAG ACTTGTGGTA TGTTGAACAG ATAAATACGA					
35	ATCTAAACTA CTATTCTTGC					
	TGTTTATCAA GCAATGCTCA					
	AATATTGGGN GANATGACTT	GTGCCCTAAA	CAN			333
40						
40	SEQ ID NO:7688					
	SEQUENCE LENGTH: 333					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS08938					
70	SEQUENCE DESCRIPTION:					-
	GATCTGATTC GCTCCATCAA	TGACCCGGAG	CATCCACTGA	CGCTAGAGGA	GTTGAACGTA	60
	GTAGAGCAGG TGCGGGTTCA	GGTTAGCGAC	CCCGAGAGTA	CAGTGGCTGT	GGCTTTCACA	120
50	CCAACCATTC CGCACTGCAG					
00	CTCCCCTCCC TTCCTCAGCG	TTTCAACATC	GACGTGCACA	TTACTCCGGG	GACCCATGCC	240

	TCAGAGCATG CAGTGAACAA AACACCCACC TCTTGGAGGT			GGGTGGCAGC	TGCCCTGGAG	300 333
5	SEQ ID NO:7689 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08939	acid				
	SEQUENCE DESCRIPTION: GATCCATGAA CCCTTTTTAT TTTAGNATTT GCCTGTAAGT					60 110
15	SEQ ID NO:7690 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20 .	CLONE:HUMGS08940 SEQUENCE DESCRIPTION: GATCCAGCCA AACGAATTTC					
25	GACAATCAGA TTAAGAAGAT GATAGTTGTN TTTTNNTTGT ATCAAA					
30	SEQ ID NO:7691 SEQUENCE LENGTH:231 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS08941 SEQUENCE DESCRIPTION:	acid				
35	GATCATGTGA CCAATTGTGC TTCTATATAA TTTTGGACTT TTCTGTTAAC TGTTGTCTTA TTTTTAAAAN NNTTGCAATT	TTAAATATTA AAACTAAAGG	AGGTTAAAAA TATTAAAGTA	ATACCTGTAT TAANNTTAAA	CTAAAATTGA ATTNGCAATT	120
40	SEQ ID NO:7692 SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGSO8942 SEQUENCE DESCRIPTION: GATCACAATT TAATAACAAG TTTGTAAGCA CACGTTTGAA					
50	ATTTACTGTT TICTGAAAAA TTTNCTCAAA TGTATTTTNA ATCTTAGCAT TATATTCTGG	TTAAATGNNN TNCTGTATGG	CTGGTTTGAT TACATTTTNG	TGCTGGAGAT	TTATTCCAGT	180

	SEQ ID NO:7693					
	SEQUENCE LENGTH: 312					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS08943					
	SEQUENCE DESCRIPTION:					
	GATCTGGGCA AAGCAAATTG	AAAACCTTCT	GGAAAGGATT	CACCATTTTA	GATGCCATTA	60
10	AAAACATTCG TGATTCATGG					120
10	AGTTGATTCC CNNCCTCATT					
	GTGCAGATGT GGTGGAAATA					
	CTGANTTGCT GCAATCTCAT	-				
	CGCAAAGAAA TN				***************************************	312
15						•
	SEQ ID NO:7694					
	SEQUENCE LENGTH: 83					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
20	CLONE: HUMGS08944					
	SEQUENCE DESCRIPTION:					
	GATCTTTACT GTTCAGAATT	TAGGAAAGTT	CTCTGGCTGT	TGCATCCAAG	TAAAATTAAA	60
	ATAAAATTGG TTGCANNTTT	AAA				83
25						
	SEQ ID NO:7695					
	SEQUENCE LENGTH: 263					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS08945					
	SEQUENCE DESCRIPTION:					
	GATCCCTTCC TCTGTCTCTC	TAACTCCCCA	GCCATGAATT	TTGGCCCCAG	GGAGAGGAAT	60
	AGGCAGTATA GGAGGGATGT	CAGGGAACTC	ACATCTGTGG	TTGAATCTCA	GAAACAATGG	120
35	AAAGGCAGTT GTCTTTGGAT	ATGGTGAAAT	TGTGGTAGAG	CACCCATGGT	GGGGGTCTGG	180
	CAGGAGCTCT GCGGCTTCGG	TAGCAGCAGT	ATGAGGAGAG	CTGGGCCACA	TGCTTATGGG	240
	TTAGGAGAAG GTAATTTCCA	GTN				263
	•					
40	SEQ ID NO:7696					
	SEQUENCE LENGTH: 142					
,	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08946					
45	SEQUENCE DESCRIPTION:					
	GATCATGGCT GAAAAAGCAG	CAAATGCAGC	AGGAAAAAG	TTCCGAAAGA	AGAAGAAATT	60
	TCGCAATTAA GATTTACCAA	GCAAACTGCA	ACATTTTACA	TTGCTCCTTT	ATTTACTTAT	120
	TAAAGACGTT TGGAAAACTA	AA				142

		SEQ ID NO:76	197					
		SEQUENCE LEN	IGTH: 200					
		SEQUENCE TYP	E:nucleic	acid				
5		TOPOLOGY: lin	ear					
3		CLONE: HUNGSO	8947					
		SEQUENCE DES						
		GATCAAGATT G		GATACATAAC	11C11C	AATGTTTGGT	CCTTCATTGA	60
		ATGGTTGAAC A						
10		AGACATAAGA A						
		GATTATGTAG A		diinneidii	AICAIGGIIA	ACAAAACUUI	CATATAATNI	200
		WILLIAM V	UAAU I UAAA					200
		SEQ ID NO:76	00					
		SEQUENCE LEN						
15		SEQUENCE TYP		aaid				
		TOPOLOGY: lin		aciu				
		CLONE: HUMGSO						
20		SEQUENCE DES		CCALACTCCT	CCCNTTACAC	CCCTCANCAC	CACACCCACC	60
		CTCCATCTTT A						
		TTNTTTCCTA T						
		TCGTTGATGC T						
25								351
	•	CTTTCATGTC C	CIICCCIII	ACTUATUCCU	AAACIAICAA	CIUUUMCAIU	п	201
		SEQ ID NO:76	00					
		SEQUENCE LEN						
30		SEQUENCE TYP		aaid				
				aciu				
		TOPOLOGY: lin						
		SEQUENCE DES						
		GATCTGTTTC T		CCCCCTCCC	CCCTCCCCCC	ecccevecce	TOOTOCOCAG	60
35		GTACANTGAT G						
		GNNNNTATEG T						
		CCTGTTTTCC A						
		AATCTTCAGA A						
40								350
		CAGCTTTGAA T	CIGAGCIIC	AIAICGAAAG	AAGAGATIGA	AAAATACCAN		330
		SEQ ID NO:77	00				•	
		•						
		SEQUENCE LEN		aaid				
45		TOPOLOGY: lin		aciu				
		CLONE: HUNGSO						
		SEQUENCE DES						
		GATCCCGCCA G		CACACCCCAA	CAAACAAACC	TCGACTGAAA	CCTTCTTACA	£Λ
50		TANTGATTGG A						

	TAGAACGACA TGAATCCTTA	ACAAGTTGGN	NCTTGGCAAA	GAAAGCTAAG	NGGCGTGAAG	180
	AAGCTGCATT GGCTGCACAG	GCTAAAGCTA	AATGNTATTC	TAAGTGACAA	AGTGTTCACC	240
	TGAATACCAT CCCTGTCATC	AGCAACAGTN	GAAGATGGGA	AAAATNGAAT	ATTTACCAAA	300
5	ATNTCTGCCA TGGTTTTATT	TTGGTAACCN	GATGCACAAT	GTCTTTTTTT	N	351
	CPO ID NO. 7701					
	SEQ ID NO:7701 SEQUENCE LENGTH:85					
	•					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08951					
	SEQUENCE DESCRIPTION:					
		4 TT 4 4 CCTTC	CATTA & CCC \	CCTCCTTTCT	ል ል ሮ ሞ ሮ ሮ ላ ሞሞ ሮ	60
15	GATCATATGT GAAGATGTCA		CATTANGCCA	CCIGCILIGI	AAGIGGALIG	85
	ATTAATAAAT AACTTATATT	ICAAA				00
	. SEQ ID NO:7702					
	SEQUENCE LENGTH: 89					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08952					
	SEQUENCE DESCRIPTION:					
	GATCCCAGGG GCTTATCTCT		AGAGGGCAGG	GTCCACGCCT	CTGCTGTAGC	60
25	TTATGAAATN AACTAATTGA	AAATTCAAA				89
	SEQ ID NO:7703					
	SEQUENCE LENGTH: 375					
30	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS08953					
	SEQUENCE DESCRIPTION:					
	GATCCAGTGG CAATTGTAAA	ACTAGCTATT	TATGGCATGC	TGCCAAAAA	CCTTCACAGA	60
35	AGAACATTTN ATGGAAAGGT	TGCATCTTTT	TCCAGATGAG	TATATTCCNN	CNGATATTCT	120
	TAAGAATTTA GTAGAGGAGC	TTCCTCAACC	ACGAAAAATA	CCTAAACGTC	TAGATGAGTA	180
	CACACANGAA GAANTAGACG	CCTTCCCAAG	ATTTGTGGAC	TCCACCTGGA	AGATTATCGG	240
	CTATAAGAGA ATAAGATTTG					
40	ATGAGTTTCT CTAACCTNCA	GGGTGGTGTT	AACCAACTGC	TACAGTTCAG	CACCTGTTTT	
	TNTTGTGCCG NTTTN					375
	SEQ ID NO:7704					
	SEQUENCE LENGTH: 276					
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08954					
	SEQUENCE DESCRIPTION:					
50	GATCACATCC TACTTCCTCA	ATGAAGGGTC	CCAAGCCCGT	CCCCGTTCTT	CCCACCGATA	60
30	TTTCCTNGAA CGCGGCCTGG	AGTCAGCAAC	CAGCCTCTAG	CAGCTGCCTC	TACGCGCTCT	120

5	ACCTGCTTCC CCAACCCAGA CTTTTGGGAC AGAAGCAAGG GGAACCTTTA AATAGAATGG	TGGGAGTGTG	CTCTGCAGCC			
10	SEQ ID NO:7705 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08955 SEQUENCE DESCRIPTION:	acid				
15	GATCCACTGC CATTCTAATT TATGCATACA GACAGGTAGA TGCAGATTGT ATTCTGCAAG AAGTGAAATT CATATTAAAA	CTTGTTTTAC TAAAGTCTTT	ATATGTGAAC TTCTCTCTGA	TAACTAGTTG	TCAAAGCAAA	120
20	SEQ ID NO:7706 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08956	acid				
25	SEQUENCE DESCRIPTION: GATCCAAAGT AACTNAAACA GCTCCACCAA AACCTGAACC AAGATTAGCA GAGGTGCTAA ACTGCACCAT CTGNAAATGG TNGATTAACG AN	CAAACCAAGA AGGGAAGAAG	AAAACATCTG GAGGAAAAGC	CTAAGAAAGA AGGAAGCTGG	ACCTGGAGCA AAAGGAAGGT	120 180
30	SEQ ID NO:7707 SEQUENCE LENGTH:166	.,				
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8957 SEQUENCE DESCRIPTION: GATCTCCTGA CCTCAGGTGA		TCAGCTTCCC	A A A GTGCC GG	GNTTACAAGC	60
40	TTGAGCTACC GCGCCCAGCC TCTGTGACTN TTAAAATTGT	AACACATCAC	TTTTATCTTG	CAGCTCCCGA		
45	SEQ ID NO:7708 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08958	acid				
	SEQUENCE DESCRIPTION:	A A A T A A T A A A	AAATAATTTG	TATACATTGA	AA	52

	SEQ ID NO:7709					
	SEQUENCE LENGTH: 318					
_	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUNGS08959					
	SEQUENCE DESCRIPTION:		CACCCTACAA	CACCCAACCA	ACACACAAGG	60
	GATCATACTN GTGATTATAA					
10	GAAAGCAGTC TGTTCTGAAC					
	ATGTTTCTCC CATTTAGAAT TATCAGCTCT TTCTCTNTGT					
	CTNTTGAAAG TGTCGTATCT					
		UUUAUAIUAC	CIGCCITATE	CIGINCIAIA	ACAGITIMIG	318
15	NTTGCTGCTG TGTCTTTN					310
15	SEQ ID NO:7710				-	
	SEQUENCE LENGTH: 243					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
20	CLONE: HUMGS08960					
	SEQUENCE DESCRIPTION:					
•	GATCCAAGAA ATTACTGAAA	TGGACAAGAA	ATGTCATTAG	TTAAAAGCCA	TGTTATCTTG	60
	AGCACACATA CAGTTAATTT					120
25	TCAGACTAAT TTGATGTTCT					
	ATTAATGTCC TTCACAAAAT	GTCTTTTGAA	AGCACTGTTA	CAGTTGTATA	AAGATGATGT	240
	AAA					243
	CPA ID NO. 7711					
30	SEQ ID NO:7711 SEQUENCE LENGTH:122					
	SEQUENCE TYPE: nucleic	aaid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08961					
35	SEQUENCE DESCRIPTION:					
	GATCTTGGCT TCTGAGGGCT	CATTTGTAGA	GTGGTGAGAA	TAATATCTAA	CTTGCTAATC	60
	TTTCAGAGAC ATTCTGAGAG					120
	AA					122
40						
	SEQ ID NO:7712					
	SEQUENCE LENGTH: 240	.,				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS08962 SEQUENCE DESCRIPTION:					
	GATCCTTTAT TAAGCTTCTG	ልተሞሮልሞልአልል	A A A C C T A T A A	CACACATTTC	CCCCCATATT	60
	TGGGGAAATA GGAAGATGGA					
	GTGATAATTG AGTTACGTAG					
50	TTTTTTAAGT TTTGAAAAGN					

5	SEQ ID NO:7713 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08963 SEQUENCE DESCRIPTION:	
10	GATCTGTGTC CAAAAGTGAA CTTNAGTCAG GAATGAATCA ATTTCAGCAT AAACAAGCAC 60 AAAANTTTAG TCTGCTGGCT GACTGGAAGC AAAAAAGTCA AGATGGNNNN 110	
15	SEQ ID NO:7714 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08964 SEQUENCE DESCRIPTION:	
20	GATCTCAAAA CAATTGTTGC AGCAGGCTCC TGGCAGTCTC AAGCAGTTCA TCTTCTTGGT 60 GTACTGGTTT CCTATTGTGA TTTTATCATG GAAAATCAAT TGGCTNNNNN N 111	
25	SEQ ID NO:7715 SEQUENCE LENGTH:309 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS08965 SEQUENCE DESCRIPTION: GATCCTATAG GCAGAGAGTT TTCCTTTCTG ACTTTTTCCC TTTGCTTTCG TGTGACCACA 60	`
30	TGTTTTCTGT ACCAGTCACT GGGGAAAGAA GTGAGTTTAT CTCGTTTGTT TTAAAAGTTT 120 TGCTTGTCTA TTTAGCATTC CTTTTTGGGT CTCAAGATTT ATGGAACAAT AAATGTCATT 180 TAATGCTGTG TGCTTATTTT GAATTCCTCA TCAGGTTTTA GAAGCGGGGT AAAAATACTT 240 AGATGCTTAT CAGACTTGAA ATTATACTGA GTGGCATTGA ACGTGAGTTT GTCCCAGTGA 300)
35	ACCAGGCTN 309	}
	SEQ ID NO:7716 SEQUENCE LENGTH:204 SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear CLONE: HUNGS08966 SEQUENCE DESCRIPTION:	•
45	GATCCATGAA GCCAGAGCCT GGCTCTGGGT GACAGCAGGA AACGGCTGGG GAAAAGNACA 60 GCAGGGCGTC CAGCTGAGCC TGCCATTCCA GCCTGTTCGG GGGAAACAGC TCCCAATCCT 120 AGACTGTGCT GCTCCGGGAG GGCTGCTGGT GGATATTTGG GCTGTTTTCA CCATATAGCT 180 GTCATGAAAA ATGCTTCCGT GAAA 200	0
50	SEQ ID NO:7717 SEQUENCE LENGTH:121	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08967 SEQUENCE DESCRIPTION:	acid				
J	GATCTCAGGA ATACAGTCCC TTACACCATC CTCTCCCATA A					60 120 121
10	SEQ ID NO:7718 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS08968 SEQUENCE DESCRIPTION: GATCACCTGA GGTCGGGACT					60
20	TAATCCCAGC TATTTNGGAA TTGCAGAGAG CCGAGGTAGT CTCAAA					
25	SEQ ID NO:7719 SEQUENCE LENGTH:351 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS08969 SEQUENCE DESCRIPTION:					
30	GATCAGCTCT CTGTTTTGGA GATGACTTGG TGTCAACTGG GAAGCTGATG GGCTTCTTTC ATTCCTCAGG TTACCTCTGA	AAAGCTGAAC TCAAGGTTAT	TTATCTCAAG TCTGATTTTA	TTAGATTCCT TAAATAGGAT	GGTCCTGGAT GCACAATCAG	120 180
35	CATTCTNTCG ATGTAAAGAA TTAAAAGGAG AAGGCTCTGT	ACTNTCCGAG	AAGATAATGC	ATTTCCCTAC	ATGGGTTGAC	
40	SEQ ID NO:7720 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08970 SEQUENCE DESCRIPTION: GATCCCAAAG AAGTAACGGG	AAAAAGGAAT	GTAAGGCATC		TTTCATATTG	60
45	ATTACATGTT GAAATANTAT AATNTCACCT GTTTCTTTTA	TTTGTATNTA				
	SEQ ID NO:7721 SEQUENCE LENGTH:130					
50	SEQUENCE TYPE: nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS08971 SEQUENCE DESCRIPTION: GATCTTGTGA ATCAAATTCA TAAAGAGTGT GGATTTAAGA TGGTGTAACN			-		
10	SEQ ID NO:7722 SEQUENCE LENGTH:180 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS08972 SEQUENCE DESCRIPTION: GATCGTTAAT TAATATCTTT CAGTTCCTGG GTGTTTCCGG CTCCTTCCTC CGGGGCCACA	TTCTGCTTCA	GTGTACTATC	ACTTTGCCTT	GCCTCAGTCT	120
20	SEQ ID NO:7723 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGS08973 SEQUENCE DESCRIPTION: GATCACTGTC CCGNTTCAAA	TTATTCTTCA	GTCCATTTCC	CCGGCCTATT	TCAGCTGTTC	60
30	CTTTTCACCT AACTGTTNAG AATATAGTTG TGTACTTTAT ATTTGCCTTC TTCTGCCACC NTTTAAAAAA AANTTANCAT	TNTTNAGGTA TAAATATTAC	ATAATTAGAA	CAGTTCCCTT	CAGAGGCTGC	180
35	SEQ ID NO:7724 SEQUENCE LENGTH:33 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08974	acid				
40	SEQUENCE DESCRIPTION: GATCAAAGGT ACCATGACCA	AATAAGAAAC	AAA			33
45	SEQ ID NO:7725 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08975 SEQUENCE DESCRIPTION:	acid				
50	GATCTTCTTT TTTNTTCTGG					

	TGATGTGGCC AATAATAGTG ACTTTTAAAA TGCTTAGAAC			TTAGAATTAA	ACAAGTTAAT	180 219
5	SEQ ID NO:7726 SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGSO8976 SEQUENCE DESCRIPTION:			CC+TC+V+T+	A A A C T C C T C T	60
	GATCTGTCTG GNAACAGTTT GACCATAGAT AAACTGCAGG AGCCAAGTAT CTTTATACAG	GAAGTTCTGT	NACTGTATCT	ACCGAAGATG	GTTTGCTGAA	
15	AGGAAGTGTT CATGGNAATA GTCTTCTGGA TGTCTAAAAG	TAACATTACA	AAGCAAGANG			
	SEQ ID NO:7727					
20	SEQUENCE LENGTH:37 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08977 SEQUENCE DESCRIPTION:					0.0
25	GATCCCAGGT TCTCATGAAC	CAAATAAGTA	ACTTAAA			37
	SEQ ID NO:7728 SEQUENCE LENGTH:97					
30	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08978	acid				
35 .	SEQUENCE DESCRIPTION: GATCTGCCCA CCTNGGCCTC NCTGTACTAA GTCTTTTTT			GCATGAGCCA	CTGCGCCCGG	60 97
	SEQ ID NO:7729	IIIAAAIIIC	CICHAAA			31
	SEQUENCE LENGTH: 284 SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS08979	acra				
	SEQUENCE DESCRIPTION: GATCTATGAA CTTCTGCCCC	ACATAACTTT	TAAAGCAGTA	TTTTATAAAC	CCCATGAAGA	60
45	GCTTGCTTTT TTGTCTTTGT	AATTCCTTAG	GGTCTGTGAT	ATATGCCAGG	AAATCTGATT	120
	GAAACTAATA TGCTTTTTAT					
	CCTACATTGG GAAAGTAAGG				TATTATTNNG	
	ACTGTCTTTC GTAAGCACTT	GCTGAACNGC	TGAUTTAACT	CAGN		284
50	SEQ ID NO:7730	,				

5	SEQUENCE LENGTH: 374 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear	
3	CLONE: HUNGS08980	
	SEQUENCE DESCRIPTION:	
	GATCTCGCAA TGGGGAAGGC CCTGGTCGAC CAGAGGGAGC TGTACCTGGG CCTGCTCTAC 6 CCCACGGAGG ACTACAAGGT ATACGGCTAC GTCACCAACT CCAAGGTGAA GTTTGTCATG 12	
	GTGGTAGATT CCTCCAACAC AGCCCTTCGA GACAACGAAA TTCGCAGCAT NTTCCGGAAG 18	
10	CTACACAACT CCTACACAGA CGTGATGTGC AACCCCTTCT ACAACCCGGG GGACCGTATC 24	
	CAGTCCAGGG CCTTTGATAA CATGGTGACG TCGATGATTG ATACAGGTTG TGCTGAGTGA 30	
	GCTGTGCTGC CAGCCATCGN AGAGGAGCCC NTNGCACGAC TTGTGGTGGG GTCCGTCGGT 36	
	CTTGTTTCTN TTTN 37	
15	71 31 31 31 31 31 31 31 31 31 31 31 31 31	4
	SEQ ID NO:7731	
	SEQUENCE LENGTH: 164	
	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
	CLONE: HUMGS08981	
	SEQUENCE DESCRIPTION:	
	GATCCGGTTG GACTCTGACA TCGGATGCCC TCAAACATAC AGAACTTCCA AACTCAAGTC 60	0
	CAGCCATAAG CTATTTTGCC AACATGTCAG AGTAATCTGT ATTTTTGTAT GTGATTTCTA 120	0
25	CTTTTATAGA CTTGTTTTAA AACAATAAAA CACATTTTTA TAAA 16	4
	ATA 10 HA 200	
	SEQ ID NO:7732	
	SEQUENCE LENGTH: 287	
30	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08982	
	SEQUENCE DESCRIPTION:	_
35	GATCATTCAT GAAAATTAAT TGTGCCCATG TCCAAGTTTG AATTAGAGAT ACACAGCACA 60	-
	CAATCATTTC TGTTACCACT TTTGGAATAT CTAGCATTAG CCTTGATAGT TTTGTGTGGT 120	
	GTGTTTTGAG TATATCTGAN CTGTTAGTTA TATTTGGTTA ATTTATTAAA NGATGTGTGT 180 TAANCCTTAA TATTTATGCA GTGTTTAAGT ATTTGGAATA TATTNGAAAT AAATTATCCA 240	
	GTGTTTTAGA TAAATGGTTA TTTAATTGCN NAANGTGATT CTCTAAA 287	ļ
40	SEQ ID NO:7733	
	SEQUENCE LENGTH: 173	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
45	CLONE: HUMGS08983	
	SEQUENCE DESCRIPTION:	
	GATCTGTGCC GTTCAATAGG CATCGTCTCT CAGCCTGAGG GAGGCTGGAT TCTGGGTTCC 60)
	TGTAGTCACA GGGAGGAAAA GCTTTCTTAA AAATGGACAT GTATGTGCGT GTNAGTGTGT 120	
50	GTGTAGATTT ATAGTTTTTG GTAGTGGCAG GAATAAAAAA AATCCATCCT AAA 173	

5	SEQ ID NO:7734 SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08984	acid				
10	SEQUENCE DESCRIPTION: GATCTCTATT TTGTGCCCAG ATTGGAGTGA TTTGAGTAAT ACCTTATTTC ATAAGTTAAT TTTATATTAG TCATTAAA	CTATCTATAG	TGTAATATTT	TCTATGAATA	ATTTTCTGTA	
15	SEQ ID NO:7735 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08985	acid				
20	SEQUENCE DESCRIPTION: GATCTAGAGA CTCATTCAAT CCAGTAGATT AAATCATATA		••••	ACTTACATTA	AGTAAAACTG	60 94
25	SEQ ID NO:7736 SEQUENCE LENGTH:363 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08986	acid				
30	SEQUENCE DESCRIPTION: GATCACCTGN ACTCCAGCTC AAAACAGTGT GGATGATGAT	ATGCTNTTNT	GAGCAAGCAA	AAGCAGAAAC	GTGAAGCCGT	
35	GATACAAATT GGTGAACAAA TAATATATAC TCTATGTAGT TCTATGCTTG TGGAACTTTT CATAGATGCA GANGTGGTTC NAN	TTNNTAAGCA CCAAATGTGT	CTGTACGTAG GTGTCTGCAT	AAGGCCTTAG GTNTGTTTGT	GTGTTGCATG ACATAGAAGT	240 300
40	SEQ ID NO:7737 SEQUENCE LENGTH:262 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS08987 SEQUENCE DESCRIPTION: GATCTTCTTT GATGATGAGA CATTCACATC CAGAATGGAA AAAGGCCCAA ACTGGGCCTT	TGAATCTTCA	AACTCTAAGT	CAAGGGTTAG	AGACATTTGC	120
50	TGAAAGGAAA TCAAGAAGGC TGTGACAGAA AAAAAAAGTA	ATTTTCAGGT				

5	SEQ ID NO:7738 SEQUENCE LENGTH:361 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08988 SEQUENCE DESCRIPTION:	acid				
10	SEQUENCE DESCRIPTION: GATCTGTGCC ACATGGAGGT GTGTTGACAA TATCANAGAT AGCTGGAAGA TTGGTTAAGG CATACAGCAG AATGCATGTT CCATAAGATA TCATAGNAAA TTCACGTAAG GATGAGCTCC N	GTTATCCCTT CAAAGCACCC TGGATTNTAG NNTATAAGTG	TCCCAAGGTT CCCATGGCAG AAATGCAGAT GTTGTNCTTT	TCCTCATTCA AGACACTGCA TTCAATATGT TCTTAGAAAG	TGCCTTTNAT CATGATTGTN AATTGTTGTG TTGAGGGTAT	180 240 300
20	SEQ ID NO:7739 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08989 SEQUENCE DESCRIPTION:	acid				
25	GATCTTGATG TGGGTGATAG GTACATTTAA ATTGTTGCAT ATTATTAAAG AGAATATAGC	TTTATGTATT				
30	SEQ ID NO:7740 SEQUENCE LENGTH:333 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08990 SEQUENCE DESCRIPTION:	acid				
35	GATCATAGAG TTTGGCTGGG GAATGATATC TCTTACTCCG TAGATTGTAT CTCTTGCCTT ATGAAAATNA TGTTCATGCT	GGGGCCAAGG GTTCAAGTTC TTTAATTATT	TAGGGGTTAG ACAAATCTTT TTACCCTTCA	CTTTTGTTCT TTGTGTATAC TTATTTCATT	CTTTGTAGTT ACATATGTAC TTTNATAGTT	120 180 240
40	CTCATAGCTA TGTCTTTCAG ATCCCATCCA AAGTATGTTT			AGTGTTTAAT	CTGTCATTAA	300 333
45	SEQ ID NO:7741 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08991	acid				
	SEQUENCE DESCRIPTION: GATCCTTGTA CACTGTTTAT	ATGTGCAATA	AAATGCATGG	CCAGCTGACA	GTATCGTCAG	60

	TGGACAGAAT GTATATAGTG TTGGATTTGT ACAAA	CAAATATCCT	TCCTTTTATT	ATTTAACAGC	CATTAAAATC	120 135
5	SEQ ID NO:7742 SEQUENCE LENGTH:333					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08992	acid				
10	SEQUENCE DESCRIPTION:	0 + 0 0 0 0 0 T + T	መጥ እር ተጥ አ ጥጥር	ANACCCTCCT	CTCCTCAGAA	60
	GATCCCAGTT CACAATTATT GNTGAACAAA TTTCTTGTCC					
	TATTGCTCAC TGGTGCTGGG					
15	GTAAAAGAGT AGCGNNNNCT					
	TAGCTGTCAG CCAAGGTGGA					
	TCTGCTGTTC AGTGAAGTGA					333
20	SEQ ID NO:7743					
20	SEQUENCE LENGTH:219					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08993					
25	SEQUENCE DESCRIPTION:	0701111100	CACAACTATC	CACACAATAA	AAAGAACAGA	60
	GATCCCAACT GTATAACATT GTTTTGGATG AAGGGAGGGA					
	TATTATTATG ATACTTTATG					
	ACAACATGAA GAATGAATGC			IIIOAAAA	ONTHUMETIN	219
30	ACAACATUAA UAATUAATUC	IAAIGIAAAC	IUUMIIIM			
	SEQ ID NO:7744					
	SEQUENCE LENGTH: 59					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08994					
	SEQUENCE DESCRIPTION:					۲0
	GATCTTGGGC CACACATGAA	AATACACTAA	CACTAATGAC	AGCTGATGAG	ATGCTTAAA	59
40	SEQ ID NO:7745					
	SEQUENCE LENGTH: 353					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS08995					
	SEQUENCE DESCRIPTION:					
	GATCAGAGTG ATGCTGGAAC	TCAGTGTGCA	TAAAATTTCA	GTCAGTGAAT	ATCACTGAAC	60
	GTCATATACT ACTTGGTATG	TGACTTTGGT	TTGTGTTAAG	AAAGCTTGTA	TTTATATAT T	120
50	TTNGCCATAG TAAGTGAGAA					
50	AAGGGGTAGA GATTAATTCT	TGCACAGTAT	AAGCAACAGT	GCAACAAACT	ATGCCATTTN	240

	CCTTTTNCCT CTTACTTGAA CTCTACTCTG GTGNGAGCTC					300 353
5	SEQ ID NO:7746 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08996	acid				
10	SEQUENCE DESCRIPTION: GATCAGGTGA TTGCCTTTCT GAACTGAAAT TGCAATTAAA GTCCATTCTT CCAAAACTTG	ACCTTTATAA	ACTCAAACTA	AATCATGAAT	TACAGAAAAA	120
15	TTTAAAGGAT TCTGCATATA TACCCAACAT TTTTTATAAC GCTAAATTAA NGTCAGATAN	TTCTAGTGTG TGCACATATT	CACATTCAGA	AACATTTTTC	TTGGAAAAAG	240
20	SEQ ID NO:7747 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS08997 SEQUENCE DESCRIPTION: GATCATGTAA ACTTGCTGTT CGGATTTATG TTTCAGTGTA AAAAGCCTTG ATTAAAGAGG	CTGGAAACTT	TCCATTTTAT			
30	SEQ ID NO:7748 SEQUENCE LENGTH:41 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGSO8998 SEQUENCE DESCRIPTION: GATCTTAATT TTGTTTTTGG	TTTAAAATAG	TGTTTCCTTT	N		41
40	SEQ ID NO:7749 SEQUENCE LENGTH:299 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUNGS08999 SEQUENCE DESCRIPTION:	ma. 0####		0.000.00	ል ል ጥ ጥር ጥጥር ጥ ል	60
	GATCTATCTA AATGCCGATT TTNANACTAT TTAATCCTTT GATGATAGCA TATGTGTTCA ANCATCTTTG TNCATTTAAG	CTACTTGTCG GGTTTATAGC	CTAAATATAA TGTTGTGTTT	TTGTTTTAGT AAAANTTGAA	CTTATGGCAT AAAAGTGGAA	120 180
50	TTNATATAAC ATGACAGGCA					

5	SEQ ID NO:7750 SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09000 SEQUENCE DESCRIPTION:	acid				
10	GATCAATTAG ACATTTTGAA GTTTCTTTTG TAGTTTTAAC CATGATTTTT TTTTCATACA	CAAAAAAGTG	CCCTTTTTGT	CACTGGATTC		
15	SEQ ID NO:7751 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09001	acid				
20	SEQUENCE DESCRIPTION: GATCATTTAA TGAATCCTCA	AGGACTAATG	AAATAAATGC	TAGACTGCTG	AAA	53
25	SEQ ID NO:7752 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO9002 SEQUENCE DESCRIPTION:	acid				
30	GATCCTGAAA ATAAAACTAA CTGAAAACTG TTATTCCTAA TTATACTTTC TCCTAGGAAA ACANATTAAA TGTCAAGAGA TTAACTCTAC AN	GTAATGTTCA ACTTTAAAAC	AAAATGATAA TTTAAAAAGG	GTAATCTGGA CAAACCTACC	TACCTTTTTC AATAGGAATA	120 180
35	SEQ ID NO:7753 SEQUENCE LENGTH:237 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS09003 SEQUENCE DESCRIPTION: GATCTACAAA AAATTCCTGG TATATNGCCT NAGAAAGCAA TAAGGGNGCA GACATGAATG	TACAAGAATC	CAATAATACA	AACAAAGGCA	NAGTAAACTT	
45 ·	GAAAGACTAA AGAAATTTTC SEQ ID NO:7754 SEQUENCE LENGTH:264 SEQUENCE TYPE:nucleic	CTAAAGGACC				237

	TOPOLOGY:linear					
	CLONE: HUMGS09004					
	SEQUENCE DESCRIPTION:					
5	GATCTTCCCA AACCCAGAGA	AAGACATCAA	TTTCCAAGAA	CAAGAAGGTT	ATCAAACACC	60
	AGGCAGATTT AACCCAGAGG	ATACTACCTC	AAGGCATTTA	ATAATCAAAC	NNCCAAAAGT	120
	CAAGAATAAG GAAATAATCC					
	AGTTCCACTA TATCTGGCAG	CAGACTCTTC	ATTGGAAACC	TTATAGGCCA	GGNGNGAGTG	240
	GCATGACACA TTTAANGTAC	TGGN			•	264
10						
	SEQ ID NO:7755					
	SEQUENCE LENGTH: 286					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS09005					
	SEQUENCE DESCRIPTION:				•	
	GATCCAGAGC TGTTGCCTGT	GACAGCGGTT	TCTNTGGATG	TCAAAGGCAG	CTGCCTGGTT	60
	GCCCAGCTTG CTTCTCGACT	GGTGGCCCCT	ATGGGTGGGT	GTGCGATGGA	AATNTGTTCC	120
20	TGCCGGAGTC TGAGGCACCA	GGGTGTGCTC	AAAGGCTGGC	CCTGGTGGTG	GACTGGCACC	180
	TGTGCAGAGT GCCGTGTGCT	TGTGGTGCGC	CATCTGAAGC	AAGAGTCCAG	CGTTCTGCCG	240
	TGTCTGTCCC CCACCATGCC	CCCTACAGGC	GGTACTGATG	GCGCTN		286
25	SEQ ID NO:7756					
	SEQUENCE LENGTH: 382				-	
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
00	CLONE: HUMGS09006					
30	SEQUENCE DESCRIPTION:					
	GATCCTTTTT CCTTCAGCAG	CATTTCTTAC	${\tt TGGCTGTGGC}$	TGGAATCTGC	CTTTAATCAC	60
	AGCTGTCACC ATTCTCACGT	GATTCTTGTG	AGACTCTTTT	TGGTTATAAT	TACTATTTAA	120
	TATTTAGACT ATTTTACTGA	GCAGACTTTA	TAAATGAGAT	ATCTACAAGG	CACTTAAAGT	180
35	GTTACAGATG TTTTACCTTA	AGANTTATTT	${\bf AAGTNGTGTT}$	GGGTTAAGAC	AGTTTTCAGT	240
	GTACCGTAAA TGTTGTGTTT	${\tt TCAGAAAAG}$	ACAAAACGAT	GGTGCTGACT	GGTTTTCTGT	300
	ATATNGCACA ACAGTCCTCA		ATGTATGGAA	CCTNTTCCTT	NCATCCAGGC	360
	AGCATTTTTN TTNCNCTCTN	CN				382
40						
40	SEQ ID NO:7757					
	SEQUENCE LENGTH: 298					
•	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS09007					
	SEQUENCE DESCRIPTION:					
	GATCATCTTT GAGTAGCACT	GTTTTGGGGC	CCTCGGTCTC	TCTGAAGACC	CTAGCAGAAC	60
	TGATACCTAC CTGTATCTCT					
50	CTTCAGCAAG AATGTGTCAC					
	TGCTGCTCAA AAATAATCGT	TACAAAGCTT	AGGTTTAAGC	TGTATATGAA	ATATTTATGC	240

	GACTOTCAAA CTTTAAAGGA	GTTGCTCCTT	TGTTCCAAAA	TTAAATGTGT	TAGATAAA	298
5	SEQ ID NO:7758 SEQUENCE LENGTH:292 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS09008 SEQUENCE DESCRIPTION: GATCATGGTC TTCAAAGATG TTCAGAACGT GTTATTCCTC ATCCTGCTGA CCCATTTTN AATATACTTT TNATTGAGCA	CCAGAACGAC TGCCCTCTTC	AACGCCATAT TTACCCCAAT	TTCCTTTGAG TTTNTTGTAT	GCCTTCGCCC TACCCTCTAC	120 180
15	AATTTTAAAT TATCTAAATT	TATGGTTTGT	GGTGGTGTCT	ATNGCAAAGT	TN	292
20	SEQ ID NO:7759 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09009 SEQUENCE DESCRIPTION:	acid				
	GATCTGTTAA TGAAAAGTGC GCATATTGCT AAGAGAGCAA					
30	CATTCCTCCC ACCCCAAGCA TTAACACTGT AATATCTTTA TGCTTCATTT CCTCTGAGCT TTGATAN	AATCCCAACA AATGATGTAC	TTTCTCTTCA AGGCAGATGA	GTGTGTTGAC AACCAGGTCA	TTCTATCCTG CTGGGGAGTC	180 240
	SEQ ID NO:7760 SEQUENCE LENGTH:165	.,				
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09010 SEQUENCE DESCRIPTION:	acid				
40	GATCTCTGAA CATGAAAACC ATAACCAGAA TTGGCTTACA TTCTATGGCT CAAAAATAAA	TTAAAGAAAC	TGCATCTAGA	AATAAGTCCT		
45	SEQ ID NO:7761 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09011	acid				
	SEQUENCE DESCRIPTION: GATCGATGAC GCAGGTCCTT	CCAGTGAAAT	GAATGGTCTC	AAAAAATGGA	GAGGATGTGC	60
50	TECCELTETA CARCEACE					

		ACAGAATTGC TGACGCTAAACAGATACCA CAGACAGTT					
		AGTGGGCTCC ATCCTTAGG					
5	,	TAACACCAGG GCCCCCTTA				.2.0	334
		SEQ ID NO:7762					
		SEQUENCE LENGTH: 247					
10)	SEQUENCE TYPE:nuclei	c acid				
		TOPOLOGY:linear CLONE:HUMGS09012					
		SEQUENCE DESCRIPTION	·•				
				T4CC44CTTC	ተተተረጥ አልላር ነ	CCT 1 TCTT 1 1	60
15	=	GATCGCTTTG ATTTTAAAG GACCAATATC TCTTTGTTT					
73	•	CCCATCTGTC ATTATGTTA					
		NGACTTTCTT AGATTCACT					
		TGTGTAN	CONTAIGIGA	AIGIAAGAG	ITAACTATUT	CICITITIA	247
20)	SEQ ID NO:7763					
		SEQUENCE LENGTH: 312					
		SEQUENCE TYPE:nuclei	c acid				
		TOPOLOGY: linear					
2	5	CLONE: HUMGS09013					
		SEQUENCE DESCRIPTION	:				
		GATCCTTCCT GAGCGTTTC	C TGGCAGTTTT	AAAACGAAAA	ATCAGTGTTA	AGTTTGATGC	60
		AGTTATTGGA TATAAAATG	A AAGCGCAATA	AGCACCTAGT	TTTCTGAAAA	CTGATTTACC	120
36	2	AGGTTTAGGT TGATGTCAT	C TAATAGTGCC	AGAATTTTAA	TGTTTGANCT	TCTGTTTTTT	180
31	,	CTAATTATCC CCATTTCTT					
		ACTTGTTCTT TAGCCAAAA	G CTGATTACAT	ATGATATAAA	CAGAGAAATA	CCTTTAGAGG	
		TGACTTTAAG GN					312
35	5	SEQ ID NO:7764					
		SEQUENCE LENGTH: 93					
		SEQUENCE TYPE:nuclei	c acid		•		
		TOPOLOGY: linear					
		CLONE: HUMGS09014					
40)	SEQUENCE DESCRIPTION	:				
		GATCTGCCTG TCCGGGCTG			CCCATTCTGC	CTCCTTCTGG	60
		GGAAATAAAT AAGTGTCTG	T TTCAGCAGCT	AAA			93
45	5	SEQ ID NO:7765					
		SEQUENCE LENGTH: 133					
		SEQUENCE TYPE:nuclei	c acid				
		TOPOLOGY:linear					
		CLONE: HUNGS 09015					
50	,	SEQUENCE DESCRIPTION	:				

	GATCTGGCTA AGCATCTTCC ATTACCTTTT TTTTTTAAA TATGNGNGGA ATN					
5						100
	SEQ ID NO:7766					
	SEQUENCE LENGTH: 300					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS 09016					
	SEQUENCE DESCRIPTION:					
	GATCGTNAAA ACCCCAAATG					
15	TTTTAAAATN AGCAGNGTTC					
	AGANCACATA CCTGAANTAA NCGTATGTTT GCATCTCTCT					
	ATTCCACAAT CAACGGGATT					
	milotholdii ohloddiii	AUMINITUTI	UNUNTTICAL	AUAIAUAIAI	TONUGICION	300
20	SEQ ID NO:7767					
20	SEQUENCE LENGTH: 105					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS09017					
25	SEQUENCE DESCRIPTION:					
	GATCAAAGTA GCCACAACAT				NGCCCTAACT	60
	CTCTTCAATT CTATGAAGAC	TAAAAAAGTA	AGGAAGCTNC	AGANN		105
	CEO ID NO. 77CO					
30	SEQ ID NO:7768 SEQUENCE LENGTH:216					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUNGS 09018					
35	SEQUENCE DESCRIPTION:					
	GATCGTCAAA CCATTCATCC	TŤTTAAAGGT	TTATTTGAAG	ATGCTGTTAA	AGTACAGAAT	60
	TTTGTGTACA GGTAGATTTT	TCCGTCCCTC	ATTAATAGTG	CCTTCTTAAT	TAATACAGNC	120
	TGGTGTTAGC TATAACAAGG	CNCCAGTAAG	GCCAAAGAAT	CCCAAGTTCT	TTGTGGAAAA	180
40	ANAAAAAANN NCTTTTGGGG	NCAGNTTTCC	CCTTCN			216
				•		
	SEQ ID NO:7769					
	SEQUENCE LENGTH: 75					
45	SEQUENCE TYPE:nucleic	acıd				
-	TOPOLOGY: linear CLONE: HUMGS09019			•		
	SEQUENCE DESCRIPTION:					
	GATCCTCCCG TGTGTGGTTG	GAAAACTTTT	GTTTTTTGGG	GTTTTTTTT	TCTGAATAAA	60
50	AAAGATNCTA CTAAA				. J. GIGITIOM	75
(11.4						

	SEQ ID NO:7770					
	SEQUENCE LENGTH: 341					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear		•			
	CLONE: HUMGS09020					
	SEQUENCE DESCRIPTION:					
	GATCTGTGTC TTAATTGTTC	AGTTAGAGTG	AGAAGTTGAC	CTATGATTCN	TTTTTAAATT	60
	TTATATTTGG AACAAAGCTG	CAAGTTATGG	TAANGTACTG	TACTGNGNGA	NGTATTATGA	120
10	TATTTAATGC ATCTNTGGCT	TAACACTTGT	GAGAGTTACC	AGCTTGAAAA	TGATGGTGTT	180
	GACTACCTCT TGANTCACAT	CTATCAACCA	CTGGCACCTA	CCACCAAGCT	GGCTTCAATT	240
	AGTATGTGTT GCTTTTTGGT	ATTAACANCT	AACCGTACTA	GAGACCAAAG	TGAACCCTGA	300
	TNTTTAATAT GTNTTTAATA	ATGGTGGTTT	TATCTAGTGG	N		341
15						
	SEQ ID NO:7771					
	SEQUENCE LENGTH: 238					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS09021					
	SEQUENCE DESCRIPTION:					
	GATCCAAGCC TGGAGTTTGC	AGAAGATACT	GTCCTAATAA	GCAGGCATTT	CTAAACCAAG	60
	TATCTAAGCC TAAGCACAGC	TTGTCCTGGG	TGAAATGTCT	GCCACAAAAG	ATAGTTTCTC	120
25	CTAGCTCAGA CTTAACCATT	TATAAAGGTT	GGTAAAATAC	TGGCAGTGAC	AACAAATTGA	180
	CTTTTTAATT TTTTTATTTG	CATTATTCCA	ATAAATGAAA	ATCTGTCAGA	GTTCTAAA	238
	SEQ ID NO:7772					
00	SEQUENCE LENGTH: 123					
30	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS09022					
	SEQUENCE DESCRIPTION:					
35	GATCTGCCCC CACTGTCCTG					
	CTAAGAGAAG GGGTGCAGAG	TGTTTACCTG	GTGCTCTCAA	CAGGACTTAA	CATCAACAGG	120
	AAA					123
40	SEQ ID NO:7773					
40	SEQUENCE LENGTH: 361					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS09023					
45	SEQUENCE DESCRIPTION:					
	GATCCAGGTA GAATTTTNAA					
	GTCATGTGAG GTTAAACCAG					
	AGCACTGTTT GANGATTGCN					
50	AGTGAAGGAC CCCCTCCCCA					
	AGGCAACCAG GAAACTGCTA	CTTGTGGNCC	TCACCAGAGA	CCAGGAGGGT	TTGGTTAGCT	300

	CACAGGACTT CCCCCACCCC	AGANGNTTAG	CATCCCATAC	TAGACTCNTA	CTCAACTTNN	360 361
5	SEQ ID NO:7774 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09024	acid				
10	SEQUENCE DESCRIPTION: GATCAAGCGA ACTAATTTTA	GGTTGAAATC	CGAATAAAAG	AACTTTACTG	GAAA	54
15	SEQ ID NO:7775 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09025	acid				
20	SEQUENCE DESCRIPTION: GATCTGTATA ATGTACATTC TTNACAATTA CACTCATCTT					60 120
	CAAGCTCCTT TNCATTCAAT	TTGGTAAAGC	CAGTTATACA	TACTANTGTG	TACTGTGAGC	180 188
25						
30	SEQ ID NO:7776 SEQUENCE LENGTH:221 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09026 SEQUENCE DESCRIPTION:	acid				
35	GATCACCTGN AGGTCAGGAA CTACTAAAAC AAAAATNAGC GGCTGAGGCA GGAGAATCGC TGCATTCCAG CCTGGGCGAC	CAGCATGATG TTGAACTGGG	GCAGGCGCCT AGAGGGGCAG	GTAGTCCNNN AGGTTGCAGT	CTATTCAGGA	
40	SEQ ID NO:7777 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS09027 SEQUENCE DESCRIPTION: GATCGTAGGA ATTGAAGGAG TGGAGATGGG TGTNTGTGTG CAAGACCGAG ATTGAGGNAA GTNCCCCTGT GACACTCAAA	TGTGTGTGTG ANCATGTCTT	TGTGTGTGTG	TGTGTGCGCG	CGCGNCAGTA	120
50	SEQ ID NO:7778					

5		SEQUENCE LENGTH:286 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09028	acid				
10	o	SEQUENCE DESCRIPTION: GATCCTGGTC CCCTCCCTGC CTGGCCCACC AGGCCTCTGA TCCAACTTCT GTCCACCTGG CCAGGCATGG CTAACCCCTG NCTAATTTTA ACCCAGACCT	CCCAGGCTGC GGACAGTCTG ACTGNTTGCC	TCTNCGGCCC TGCCTGTAGC TCATATTTAA	CTTCCTCCTC CTNATGACCC GCTGCTGNTN	CTNTTCCTGC CAACCCAGCC	120 180
15	5	SEQ ID NO:7779 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear					
20	o	CLONE:HUMGS09029 SEQUENCE DESCRIPTION: GATCTGATTT TTCATAAAAA CCCTGAAACT GCAATGCAGA TTTCAAA					
25	5	SEQ ID NO:7780 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30)	CLONE:HUMGS09030 SEQUENCE DESCRIPTION: GATCTGANTT TTCATAAAAA CCCANAAACT NCAATGCAGA				AAGAAGCCAT	60 105
35	5	SEQ ID NO:7781 SEQUENCE LENGTH:321 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40)	CLONE: HUMGS09031 SEQUENCE DESCRIPTION: GATCGGCGCC GTTACAGACG GGTGAGATTG GAGAGATGAA					
45	5	CATCGAAATC CAACTTACCG GCCCCAGCAG TTGGAGAGGC CAGCCGTCTG TTCGCCGTGG CCTAACGGTN CTTCACANGT	CCCAAGGTAC TGAAGATAAA ATACCGGCGT	CGTAGCAGGG GAAAATCAGC	GACCTCCTCG AAGCCACCAG	CCCACGACCT TGGTCCAAAC	180 240
50)	SEQ ID NO:7782 SEQUENCE LENGTH:66					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09032	acid				
5 .	SEQUENCE DESCRIPTION: GATCCACTGA GTTAGTTTCA CTTAAA	TTGGGGCGGG	GGAAAGAACT	GGAATTAAAC	TTGTTTAATC	60 66
10	SEQ ID NO:7783 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS09033 SEQUENCE DESCRIPTION: GATCCTCCCA GCTGTCGGCC TCCCCAGGGT CCGCCGAGAG GTACTGTCAA A					
20						
	SEQ ID NO:7784 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGS09034					
	SEQUENCE DESCRIPTION:					
	GATCACAAAT GCATTTTTCA					
	AATGGACTCT GTAATGCATT TTGAATTAAA AATCTAACAG		TTTAGTCGTA	ATGGATGTGA	TTATATTTNA	120 143
30	Transfer Autoritions	neut.				- 10
	SEQ ID NO:7785					
	SEQUENCE LENGTH: 345 SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY: linear	acru				
	CLONE: HUMGS09035					
	SEQUENCE DESCRIPTION: GATCTTAACT TTAATAAGGC		ሮ ተምርር ል ሮር ጥር	ተ ጥር ድር ድር ድር ድር	4 4 CTCTCTTC	60
	TGTGGATGTN CGTGTNTGGT		•			
40	CCTCGGGGCT GTCCCCACGC					
	ATTCCGTCCT GGGTGTCTGG					
	GGCACANCCC CAGGAAGGGA				AGGTGGATGC	
45	ANTITCHGNA ACCTCCANTC	TICIUIGIAG	CARCITIAAC	CAAGA		345
	SEQ ID NO:7786					
	SEQUENCE LENGTH: 167					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

	SEQUENCE DESCRIPTION:					
	GATCAGCTCT CTGTGAAAAT	GGACCAATCA	TCAGGATGTG	GGTGGGGCCA	GATTAGGGAA	60
	TAGAAGCAGG CTGTCTGAGC	CAACAGTGTC	ANCATGCTTG	GGTCCCCTTN	CATGCTGTGG	120
5	AAACTTTGTT CTTTCGCTCT	TCACANTAAA	TNTTGCTGCT	GCTCAAA		167
	SEQ ID NO:7787					
	SEQUENCE LENGTH: 172					
	SEQUENCE TYPE: nucleic	acid			•	
10	TOPOLOGY:linear					
	CLONE: HUMGS09037					
	SEQUENCE DESCRIPTION:					
	GATCCTGGAC AAAGCTTGGC	TECCECCTTC	ATTTATTCCT	GCTGATGGCT	GAGAAGCATC	60
15	TGTTTTCCAT CCCACTTGCC					
	ACTGCATGTT TTATAAAATA					172
	ACIDONIUII IIAIAAAIA	AAAATAAAAT	AICUITIUIA	ATTIATOTOR	AA.	112
	SEQ ID NO:7788					
	SEQUENCE LENGTH: 255					
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS09038					
	SEQUENCE DESCRIPTION:					
25	GATCCGCCCA CCTTNGGCCT	CCCAACACAA	ተተተለተ \ ምተተ ተ	TGANGGTCCT	TTTATCTCTA	60
25	TTGTGCCATA TGCTTCTNAC					
	CCACTATTAC ATGCTCTCCA					
	CCATTCTGAT AATTCTGGAT					
	GATGTATACT ATAAA	AIGIAGAAAA	AIAAAICCIG	IIIAIGIGII	IAAAIAAAIA	255
30	UNIUINIACI AIAAA					255
	SEQ ID NO:7789					
	SEQUENCE LENGTH: 256					
	SEQUENCE TYPE:nucleic	aaid				
05	TOPOLOGY: linear	actu				
35	CLONE: HUMGS 09039					
	SEQUENCE DESCRIPTION:					
	GATCCCTGAC AGCAAAAGT	アアノアアアアクアノ	ነ ር ር ር ጥር ር ር ላ ጥ	ACTCCC ACTC	TOCACOTOCA	60
40	GACTGAGCAA AGGAAGTCCT AGCTCTCTCC CTGGGAACCA					
	CTGGTCACGA GCTTCTACCA	CCTTTGCAAT	IGICACITAI	CITICACICC	CIGAAIAAAG	
	TATCTATGCA TATAAA					256
45	CEO ID NO.7700					
45	SEQ ID NO:7790 SEQUENCE LENGTH:123					
	SEQUENCE TYPE:nucleic					
		acid				
	TOPOLOGY: linear CLONE: HUMGS09040					
50	CLUME: NUMUSUSUAU SEQUENCE DESCRIPTION.					

	GATCTCCCAC CTTTCGGGCC GAGTGTGGAC TCTGGTGCCT AAA					
10	SEQ ID NO:7791 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09041	acîd				
15	SEQUENCE DESCRIPTION: GATCTAGCTT CAGAGGAAGT TGTGTTTAGC NNNGNAATAC CACTGTATTT AACTGAAAAG ACTTTAATAA CANACTTCAT ATATTANTGC CATAGTTTTT ATATCCCAGN	TGTAACAGGA AATGCCTACA TATGTGAACT	CATCACATGG GATTGGATAT TGTTGAATAT	AAAAATCAAA TTAATAGGGA TNNCATACAN	GCAGCTGGCT AAATTAAGGC TATACCTTGT	120 180 240
25	SEQ ID NO:7792 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09042	acid				
	SEQUENCE DESCRIPTION: GATCCGAAGG CTGCGGGCAG A	CGTNTNATCC	CGTGGTTTAA	TAAAGCTGCC	GCGCGCTCAA	60 61
30	SEQ ID NO:7793 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09043	acid				
40	SEQUENCE DESCRIPTION: GATCTTGGTC TTATTTGCAC GAATATTTCT NTTTCCCCCT GCACTACNCC ATTGGTTTCC ATCTTCCTCC AGGCTTGTAA TCTGTATAAA ANCAAANGCA TTTTCAAATN	TTTAATTTGT AATACTGCAC TACCCTTCAC	GATGTCACTT ACATAAGATA ATGGAAGATT	GACCCCATTT CATACTTGTG AATGAGGGAA	ATGTGTAGGA TGCAGAAAGT ATCTTTATAT	120 180 240
45	SEQ ID NO:7794 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09044	acid				
50	SEQUENCE DESCRIPTION:					

	GATCAGTAGA AAATGGACAT TGAAATGCTT GTAGGTTCTG ACTGTATCAA CTCTAACGGA	TGCCAATTTT	CCACCACTGT	GTACTTTGTT		
5						
	SEQ ID NO:7795					
	SEQUENCE LENGTH: 149					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS09045					
	SEQUENCE DESCRIPTION:					
	GATCCGAGAG TNAAGGAAGT	TCCCTGTNTT	CCCCGTCCTT	TTCCACCAGT	NTCGCCTCTG	60
	GCCTTCTCTG GCCACTCCTG					
15	ACACCCACAA TAAAAACCTG					149
	SEQ ID NO:7796					
	SEQUENCE LENGTH: 98					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	3024				
	CLONE: HUNGS09046					
	SEQUENCE DESCRIPTION:					
	GATCCAAACT AACTGCCCAA	GCACTACACA	GCTGGACCCT	GNTTCACCNT	AACCCGCANC	60
25	TAGCAATCAA TACAGCTTCA					98
						-
	SEQ ID NO:7797					
	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS 09047					
	SEQUENCE DESCRIPTION:					
	GATCTNTAGC CTCACCCTGN	TCTCCTTCCT	CCTACTGGCT	GCTCAGGTGC	TCCTGGTGGA	60
35	GGGGAAAAA AAAGTGAAGA					
00	TCTGGGCAAC ACCCAGATTA					
	CAAAGACCAA GCCAACTGCA					
	GGGNNGGGTG CACTCAATTG			uu.u.u.u.	.0111010/	265
					•	
40	SEQ ID NO:7798					
	SEQUENCE LENGTH: 146					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS09048					
-	SEQUENCE DESCRIPTION:					
	GATCTTACCC GTGCNTGGNC	CCCTCCCCTC	ANAGCCCATG	GTAACGAACC	CCTAGAAAGG	60
	AGAGAACGGG CGTCAGGGGT					
	GGNCCGGCCC CTCACCCTCT		 			146
50						

	SEQ ID NO:7799					
	SEQUENCE LENGTH: 317					
5	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS09049					
	SEQUENCE DESCRIPTION:					
	GATCTCCGGA CCTCGGCTGC	AGAGGCCATC	GCAGCTTTTN	AAAAGTNAAG	TGGTTAATTC	60
10	CCATTGGTGT CTTTNCTTAT	AGCATTTTCN	TCTAACCTAT	AACAAGGGGG	CATTACATTT	120
	ANCTTTAGAA CATGTGAATA	GGAGGTTTNC	TCATGACTTA	CCATTCCAGC	TGNATGGGAA	180
	AGCAAAGCAG AAAACAGTGC	CCCAAATGGA	AAANAGNTAC	TCACACAGAN	CAAAACAGTT	240
	CTNGGTCTTG TCCTTGGTCT	TGTCAAACCT	TGCCTGATGC	TCTTTCTAAN	GTCNAAATAT	300
15	GANTGATAAG CCNGGCN					317
73						
	SEQ ID NO:7800					
	SEQUENCE LENGTH: 372					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS09050					
	SEQUENCE DESCRIPTION:					
	GATCTGGTTA AGTTGTGTAG	TAAAGCATTA	GGAGGGTCAT	TCTTGTCACA	AAAGTGCCAC	60
25	TAAAACAGCC TCAGGAGAAT	AAATGACTTG	CTTTTCTAAA	TCTCAGGTTT	ATCTGGGCTC	120
	TATCATATAG ACAGGCTTCT	GATAGTTTGC	${\tt AACTGTAAGC}$	AGAAACCTAC	${\bf ATATAGTTAA}$	180
	NATCCTGGNC TTTCTTGGTA	AACAGATTTT	AANTTTCTGA	TATAAANCAN	GCCNCAGGAG	240
	AATTCGGGGA TTTNAGGTTC	NCNGAATAGC	CTATATATGG	TGCATCGGNT	AGGTCNTTAT	300
	TGATTTTTTG ACCCTTTTCG	GCTTTACCTN	ATGGGAAGAC	CCNGTTCNTT	TTTAAATNAT	360
30	CCNGGTTTTT GN					372
	470 ID NO 8001					
	SEQ ID NO:7801					
	SEQUENCE LENGTH: 356					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09051				-	
	SEQUENCE DESCRIPTION:					
40	GATCAACCTC TGAATTTTAC					
40	ATTATTAATT TTTTGCCTCC					
	CTCTGCTCCT TTTCATTGCA					
	CTTTCCACTG GCTCTCAAAC					
	ATCCATGAAA GCACAAGTGA					
45	TTCTGTGCTC TTCACTCTTT	GCAATTGCTA	AATAAAGCAG	ATTTTATAAA	TACAAA	356
	SEQ ID NO:7802					
	SEQUENCE LENGTH: 359					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

55

CLONE: HUMGS09052

	SEQUENCE DESCRIPTION:	
•	GATCAAGCAG ATTCCACGAA TCCTCGGCCC AGGTTTAAAT AAGGCAGGAA AGTTCCCTTC 6	60
	CCTGCTCACA CACAACGAAA ACATGGTGGC CAAAGTGGAT GAGGTGAAGT CCACAATCAA 12	20
5	GTTCCAAATG AAGAAGGTGT TATGTCTGGC TGTAGCTGTT GGTCACGTGA AGATGCCNGA 18	30
	CGATGAGCTT GTGTATAACA TTCACCTGGC TGTCAACTTC TTGGTGTCAT TGCTCAAGAA 24	10
	AANCTGGCAG ANTGTTCCGG GGCCTTATNT TNTCAAGAGC ACCNTGGGGN AAAGCCCCCA 30	
	GNGGCCTNTT NTTAAGGGCA CCGTTTNGAN NTAAAATTTC TNGTTANCCC AGTTCNAAA 35	
10		
70	SEQ ID NO:7803	
	SEQUENCE LENGTH: 134	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
15	CLONE: HUMGS09053	
	SEQUENCE DESCRIPTION:	
	GATCCGGCCA GTTCATTGAA CAAACCTTTC CTTTTTCTAA AGTTCCAGAA GCCTTCCTGA 6	0
	AGGTGGAAAG AGGACACGCA CGAGGAAAGA CTGTAATTAA TGTTGTTTAA ATAAAAATGC 12	0
20	AGTTTAGTGA TAAA 13-	4
20		
	SEQ ID NO:7804	
	SEQUENCE LENGTH: 62	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
•	CLONE: HUMGS09054	
	SEQUENCE DESCRIPTION:	
	GATCTACTGA CATTAAGCAC TTTGTACAGT ACAAAATAAA GTCTACATTT GTTTAAAACA 60	0
30	AA 62	2
30		
	SEQ ID NO:7805	
	SEQUENCE LENGTH: 120	
	SEQUENCE TYPE: nucleic acid	
35	TOPOLOGY: linear	
	CLONE: HUNGS09055	
	SEQUENCE DESCRIPTION:	
	GATCTGGATG ATGGTTATGT AGCTGCATAT ATTTGTCAAC ATTCCTCATG CTGTATGTTT 60	-
40	AGATTTGTGA TTTTACTATA TGTAAATTAA TTCCTTAATA AAATACTATT ATAAAATAAA 120	0
40		
	SEQ ID NO:7806	
	SEQUENCE LENGTH: 209	
	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY: linear	
	CLONE: HUNGS09056	
	SEQUENCE DESCRIPTION:	
	GATCTAATCT TCTGTGCTCT GTGTATTGGC GACGAGCAGG GTGAGAATAA GTGCGTGCCC 60	-
50	AACAGCAATN AGAGATACTA CGGCTACACT GGGGCTTTCC GGTGCCTGGC TGAGAATGCT 120	
	GGAGACGTTG CATTTGTGAA AGATGTCACT GTCTTGCAGA ACACTGATGC CCTCCTGGAA 180	1

	GCCTGTGAAT TCCTCAGGAA	GTAAAACCN				209
5	SEQ ID NO:7807 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS09057 SEQUENCE DESCRIPTION: GATCTTAATT TTAAAAATTA	AAACTTGGNG	TTTTTTAAAT	AAAAACCTTT	TGTCTTAAA	59
15	SEQ ID NO:7808 SEQUENCE LENGTH:100 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09058	acid				
20	SEQUENCE DESCRIPTION: GATCAAAGTA ATTGCTTAAA GTGGTGGGTA CCTTAATAAT				TTTATGTATT	60 100
25	SEQ ID NO:7809 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09059	acid				
30	SEQUENCE DESCRIPTION: GATCTGTTTG ATGGTTACAT GGCTTTGTGC ATTGTATTGC					60 118
35	SEQ ID NO:7810 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09060	acid	,			
40	SEQUENCE DESCRIPTION: GATCCATAAC CTCTTTAGAG ACCTGTTTCT TGTCCNTCAG TAAACCTACC CCATCTNATG AAA	GGGCTGACAC	CCATGTNCCA	TCCCTCTAAA	CCCCTGTCCC	
45	SEQ ID NO:7811 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE:HUMGS09061 SEQUENCE DESCRIPTION:					

	GATCTGAATG GTTTTAATAA CACCACCACG TAAGACGTGC TCCCCAGCCA TGCAGAACTG	CTGCTTCCCC	TTCTGCCATG	ATTGTAAGTT	TCCTGAGGCG	60 120 175
5						
	SEQ ID NO:7812					
	SEQUENCE LENGTH: 329					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
10	CLONE: HUMGS09062					
	SEQUENCE DESCRIPTION:					
	GATCCCCCAT TCCCCACCCT					60
	GGAATTGGGG GACCNCCGCC					
15	CTTGGCTTTG GGGATACTTC					
	GTGGCAGGGA TTCCACTCAG					
	TTTTGGGGTT CCCAGCACCC		TTGGGGGGTC	CCTTTTGTGT	CTCCCCCGCC	
	ATTCAAGGAC TCCTNTCTTT	TNTTCAANN				329
20	SEQ ID NO:7813					
	SEQUENCE LENGTH: 326					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS09063					
25	SEQUENCE DESCRIPTION:					
	GATCTGCCAG CCCTACATCC	GCCGGGGCC	CAGGGAGGGG	AGCAAGGAGA	AGGCAGGTGC	60
	GCGCANAAGC GGGCCCTGGA					
	CAAAAGAAGC AGCTGAGGAA					
30	GCAAAGTNTG ACCAGTGTGG	AAACCCAAAG	GGCAACAGAT	GTNTGTTCAG	CCTGTGCCGN	240
	GGCTGCTGCA NGANGCGNGC	CTTCAAAGNG	ACTGCAGACT	GNCCAGGTNA	CGGTTTGCTT	300
	TTTAAAACCA ATTTNGGAGA	AGTTTN				326
35	SEQ ID NO:7814					
	SEQUENCE LENGTH: 20					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS09064					
40	SEQUENCE DESCRIPTION:					
	GATCGGAATG NAAATCTAAA					20
	SEQ ID NO:7815					
45	SEQUENCE LENGTH: 248					
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09065					
	SEQUENCE DESCRIPTION:					
50	GATCAATGTT GAAAGTGTTG	TTATATGGCA	AGTNTTTAAC	ACATTCACAG	TGTTTGTTTG	60

	ATTTCAACTG TGAATTGTCT	TACAGTTTTT	TCAAACCTAG	TTGTTTCTAT	GGACACCTGC	120
	TCTGAATTGT ACATTGACTN	CATTACTAAA	GAACAAAAAT	GTTCATTTTT	GTCCCAGTAA	180
	ATTGAGACTG CTTGTACACT	TTCAGAAAAA	TATGTGAATT	TATAAAGNTT	TTGTAGATAC	240
5	TTGTCAAA					248
	SEQ ID NO:7816					
	SEQUENCE LENGTH: 87					
••	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS09066					
	SEQUENCE DESCRIPTION:					
	GATCCCCGGA TTTNACACTC	CTTCTGTTTT	GTTGCCGTTT	ATTTTTGTAC	TCAAATCTCT	60
15	ACATGGAGAT AAATNATTTA					87
	SEQ ID NO:7817					
	SEQUENCE LENGTH: 267					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS09067					
	SEQUENCE DESCRIPTION:					
	GATCCACCTG NCCCTGACCT	CCGACAGTGC	TGGGATTACA	GGCATAGCCA	CCGTGCCTGA	60
25	CCAGGGCTCT TTTAGCAAGG					120
	ATACTTGCTA CATGTTGTGA					
	AGAGATGCAC CCTGTATCTG					
	GCTGAATAAA CTATGTGAAC					267
30	SEQ ID NO:7818					
	SEQUENCE LENGTH: 22					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS09068					
	SEQUENCE DESCRIPTION:					
	GATCTTCAAG CAAGAAAATA	AA				22
10	SEQ ID NO:7819					
40	SEQUENCE LENGTH: 90					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09069					
45	SEQUENCE DESCRIPTION:					
	GATCATAGCT GAAAATTAAT	GATACTGTCA	ATTTGAGATA	GCAGAAGTTT	CACACATCAA	60
	AGTAAAAGAT TTGCATATCA					90
60	SEQ ID NO:7820					
50	SEQUENCE LENGTH: 25					

	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUNGS09070	
5	SEQUENCE DESCRIPTION:	
	GATCATTAAA AAATTAATAA AGAAA	25
	SEQ ID NO:7821	
	SEQUENCE LENGTH: 33	
10	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS09071	
	SEQUENCE DESCRIPTION:	
15	GATCCCAATG AAACGAATTC TGTCTCCCTG AAA	33
	SEQ ID NO:7822	
	SEQUENCE LENGTH: 23	
20	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS09072	
	SEQUENCE DESCRIPTION:	
	GATCTTCAAG CAAGTTAANT AAA	23
25		
	SEQ ID NO:7823	
	SEQUENCE LENGTH: 75	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear	
	CLONE: HUNGS09073	
	SEQUENCE DESCRIPTION:	
	GATCTTCATT TAGCTCCTTT ACTGGGATTT ATTGGATGCT NGTAAAAAA TAAAATTTAC	60
05	ACTGTNTATG CGAAA	75
35		
	SEQ ID NO:7824	
	SEQUENCE LENGTH: 284	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUMGS09074	
	SEQUENCE DESCRIPTION:	
	GATCAAGAAA GGGCTGTGGC TTGTATCAAA GGGTGTTTAA AAGGATTTAC TATCAGATTT	
45	GGCCTTGTTT TCTGTGATTT TGGNNAGCGT TCAAGGAAGC CAGGCTTTGG TCTGGATTGG	
	ATGTTCTCAG GTCATGAATA TAATTCTCTG GGAACTCCCA AAGTTCTCAT CTACAAAGCA	
	GAAGTTAATT GGAGCTGAAA ACTAATCAGT AAAGCCACAG CAGCCAGTCA TATGGGGGAG	
	AAGAGGGGAA TGTTTGATGG TTTTTGTGGT TTAGAGGTGA GTTN	284
50	SEQ ID NO:7825	
	SEQUENCE LENGTH: 21	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09075	acid				
	SEQUENCE DESCRIPTION:					
5	GATCCTTTGT TAACAAATAA	A				21
10	SEQ ID NO:7826 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09076	acid	·			
15	SEQUENCE DESCRIPTION: GATCATATTT ATTTTAACTA TTAAAAAAGCT TCTTCACTTG GTGGAGGAAA AAAAANTACT	TTTTCCCTAA	NNNTTCANAT			60 120 159
20	SEQ ID NO:7827 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	·			
25	CLONE: HUMGS09077 SEQUENCE DESCRIPTION: GATCTGTGCA GGGTATTAAC CAAGAACCAG TTGTTTTGTC CAGTTTCCTT TCTNAGCTGA	TTGCGGGTCT	GTCAGGGTTG	GAAAGTCCAA	GCCGTAGACC	
30	GTTGGAAGCG GTTTGCATTT TTNTTGTACG CAATTCTCGG TATGTTGGGG NNCATTNGGG	ACGCCTGTAA TTCTTTGANG	ATGTATTCAN	TCTTAANTTA	TGTAAGGTNT	240
35	SEQ ID NO:7828 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09078	acid				
40	SEQUENCE DESCRIPTION: GATCTCCTGA CCTCGTCATC GAGCCACCAC GCCCGGCTGT				TTACAGGCAT	60 108
45	SEQ ID NO:7829 SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09079	acid				
50	SEQUENCE DESCRIPTION:	CTCTGGGGGC	ACCTANAGGA	CAACAGAACT	NTCACCAAAG	60

	GACCAGACAC AGTGAGCACC					
	AATTCANTGA TGTGGNGAGG					
5	TGGAGGGTGG GNAGGNGACG		_	GGACCNGGGT	CACCCAGCAG	
5	CTGCCCCATN TTNATGCCGA	GCAACTTNTN	GNCTGGN			277
	SEQ ID NO:7830					
	SEQUENCE LENGTH: 123					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS09080					
	SEQUENCE DESCRIPTION:	**********				
15	GATCAGACCA AACAGTGCTG					
13	GGCTCCCACC TTTAATCTGT	TITATACCTT	GCTTATTAAA	TGAGCGACTT	AAAATNATTG	
	AAA					123
	SEQ ID NO:7831					
20	SEQUENCE LENGTH: 338					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE:HUMGSO9081 SEQUENCE DESCRIPTION:					
25	GATCCAGAAA TGGAGACTGG	ACCTTCCACA	CCCTCCTCAA	TCCTCCALAC	ACTTCCTCCC	60
	AGTGGAGAGG TTTACACCTG					60
	GAATGGAGAG CACGGTCTGA					
	GTGCTGGGCC TGCTCTTCCT					
	CACTCTGGAC TTCAGCCAAC		*			
30	AGAACCTTCT GCCCCAGCTT					338
	SEQ ID NO:7832					
	SEQUENCE LENGTH: 309					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09082					
	SEQUENCE DESCRIPTION:					
40	GATCTAATCT CAAATACAGT	GCTTAGTAAG	GGAACTCTTG	TGCCTTTGGG	GATTTGGGGA	60
40	TTAAAACGAA TCTTTTAAAT	ATATTTCCAA	TAAAATTATA	ATAAAAGGAT	ATTTCCTCTG	120
	ATGTTAAAAG TGAGTATGGG	GGTGGCACAT	TATATGGAAA	GTNCCATGTT	TGCTTAANTG	180
	CTATGTAAAA TAACTTGGCA	TATTANTTGA	CTTTGANTGT	GAAANTCATA	TGCCCTTNGA	240
	NTATGGNTGC CTTAGCTCAT	TTGACANCTG	GNAGANTACT	TGTNTATCTN	GTTTNAGACA	300
45	CATTGANTN					309
	SEQ ID NO:7833					
	SEQUENCE LENGTH: 233					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					

	CLONE:HUMGS09083 SEQUENCE DESCRIPTION:					
	GATCCAAAGT GGCAGGAGGT	CTGTGTTGTC	ATGGNGAACT	GGAGTTTCTC	TTGTAAGAGT	60
5	TCCCTCATCT GAAATCATGT					
	AAGACATAGA ACCCTTATAA				_	
	ACCTGGGAAT TAGTATAATN	CCANTGTTAA	TNTTTTNNAT	TTACATTTTG	TNN	233
10	SEQ ID NO:7834					
	SEQUENCE LENGTH: 99					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS09084					
15	SEQUENCE DESCRIPTION:	•				
	GATCGGAATT TNACAGAATT	GGGACTGTGG	AACCNNGGGT	CACTTGAATT	TCCTATATTT	60
	TGTATGGCCA AATCAGGAAC					99
20	SEQ ID NO:7835					
	SEQUENCE LENGTH: 288					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE:HUMGS09085 SEQUENCE DESCRIPTION:					
23	GATCAGCCGA TGACAGAGAT	TGTAAGCCGT	GTGTCGAAGC	CAAACTGGNG	CCCCACCTG	60
	CGGGCNCTGG TGCTTGACCT					
	NAAAANCGGT ACACCATCCG					
	CCTCTCCACA CCCCTTCCAG					
30	CCAAGTCTGG TGTTCCCTCA					288
	SEQ ID NO:7836					
	SEQUENCE LENGTH: 32					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09086 SEQUENCE DESCRIPTION:					
	GATCTAAATA AAATGGACNG	TTCTACCTTA	A A			32
40	ditolibulia adalogacia	HULMOUTIA	A.A.			02
	SEQ ID NO:7837					
	SEQUENCE LENGTH: 152					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS09087					
	SEQUENCE DESCRIPTION:	# . # # . <i>C</i> = = =	**************************		. <i>ተረረ ጥ</i> ተምምም ፡	co
	GATCTGAAAC AGATGAAAGT					
50	AATACTTAAG ATGTGATATG GGACATTAAA AAAGCTTATG			TOTRAIRCIA	DAAAADDIIII	152
	DIVITORIA CRANTALIANO	TINDMINIT	163			

	SEQ ID NO:7838 SEQUENCE LENGTH:108	
	SEQUENCE TYPE: nucleic acid	
5	STRANDEDNESS: single	
	TOPOLOGY:linear	
	SEQUENCE DESCRIPTION:	
	GATCGTTCTT CATGGGGGTA AGAAAAGCTG GTCTGGAGTT GCTGAATGTT GCATTAATT	G 60
.10	TCCTGTTTGC TTGTAGTTGA ATAAAAATAG AAACCTGAAT GAAGGAAA	108
	SEQ ID NO:7839	
	SEQUENCE LENGTH: 30	
15	SEQUENCE TYPE:nucleic acid	
••	STRANDEDNESS: single	
	TOPOLOGY: linear	
	SEQUENCE DESCRIPTION: TGAAAATTTA TTACTACAGT GTTTTCACCA	20
01	IUMAAAIIIA IIACIACAGI GIIIICACCA	30
20	SEQ ID NO:7840	
	SEQUENCE LENGTH: 20	
	SEQUENCE TYPE:nucleic acid	
	STRANDEDNESS: single	
25	TOPOLOGY: linear	
	SEQUENCE DESCRIPTION:	
	TAATACGACT CACTATAGGG	20
30		
	SEQ ID NO:7841	
	SEQUENCE LENGTH: 25	
	SEQUENCE TYPE:nucleic acid	
35	STRANDEDNESS: single	
	TOPOLOGY: linear	
	SEQUENCE DESCRIPTION:	
	CTTCTTTCTG TAGCCAGGTA ACTCT	25
40	SEQ ID NO:7842	
	SEQUENCE LENGTH: 25	
	SEQUENCE TYPE: nucleic acid	
	STRANDEDNESS:single	
45	TOPOLOGY: linear	
	SEQUENCE DESCRIPTION:	
	TTTTCGGCGC TCCCATTTAT TCCTT	25
50	SEQ ID NO:7843	
	SEQUENCE LENGTH: 35	
	SEQUENCE TYPE:nucleic acid	
	STRANDEDNESS: single	
6 6	TOPOLOGY:linear SEQUENCE DESCRIPTION:	
55	CACGAATTCA CTATCGATTC TGGAACCTTC AGAGG- NH2	35

5	SEQ ID NO:7844 SEQUENCE LENGTH:37 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CTCGCTCGCC CATCCTTATA CAGGCTCAGT TTTGTCT	37
10	SEQ ID NO:7845 SEQUENCE LENGTH:37 SEQUENCE TYPE:nucleic acid	3,
15	STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CTCGCTCGCC CATGTATAGG GACAGCATTT CTGAGAG	37
20	SEQ ID NO:7846 SEQUENCE LENGTH:38 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single	
25	TOPOLOGY:linear SEQUENCE DESCRIPTION: CTGGTTCGGC CCACCTCTGA AGGTTCCAGA ATCGATAG	38
30	SEQ ID NO:7847 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid	
35	STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CCAGGGTTTT CCCAGTCACG AC	22
40	SEQ ID NO:7848 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single	
45	TOPOLOGY:linear SEQUENCE DESCRIPTION: TCACACAGGA AACAGCTATG AC	22

50 Claims

55

 A purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.

- 2. A DNA probe consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 3. A DNA primer consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 4. A purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 20 5. A DNA probe consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
 - 6. A DNA primer consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.

Fig. 1

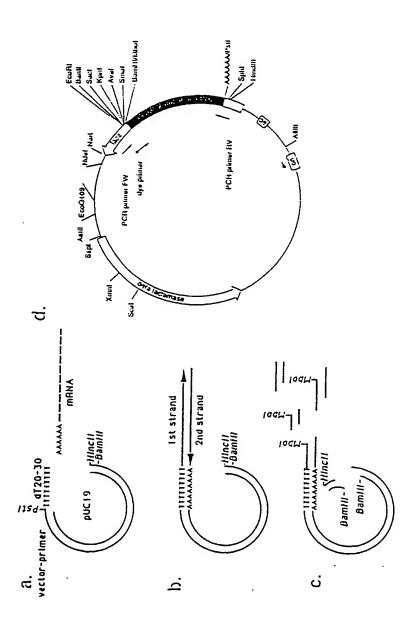


Fig. 2

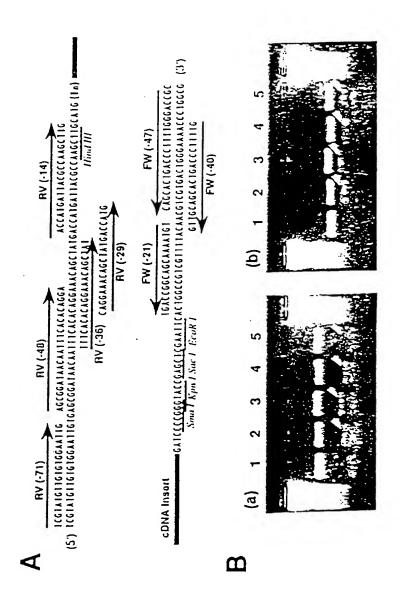


Fig. 3

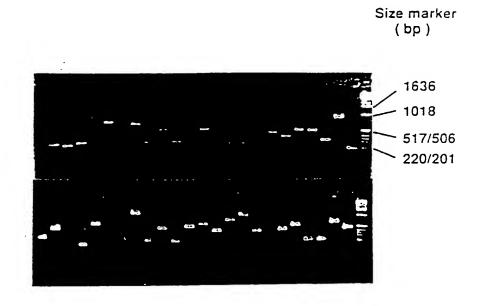


Fig. 4

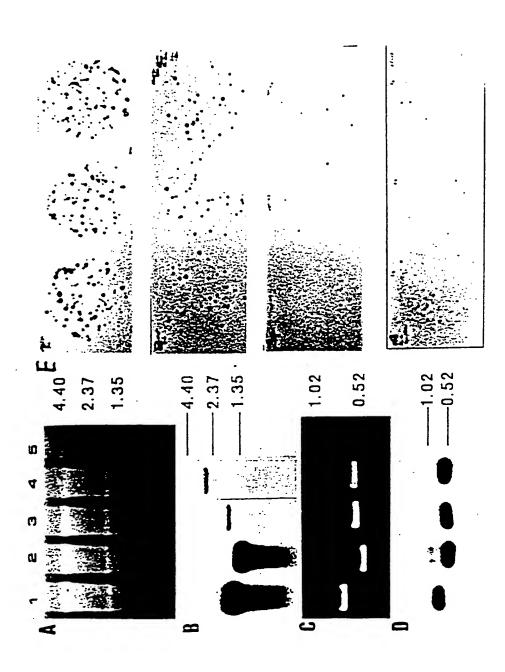


Fig. 4

F

probe No.	1	2	3	4 .
gene	Eiongation factor	α1-andcypsin	HnRNP core, protein A1	Inter-ca-crypsin inhibitor
(a) Band intensity of Northern blot(cpm)	687	423	10	15
(o)Band intensity of control blot(cpm)	133	177	100	127
(c)Normalized signal(a)/(b)x10	52	24	1	1.2
(d)Positive signals on colony blot	307	119	7	9
(c)Relative	44	17	l	1.3

Fig. 5

pearance	frequenc	cies of various cDNAs in the 3'-directed HepG2	Irected Hep(32 cDNA' library	ary
Group	Clone	Gene	A in 982 (%)	B. "in 8,800 (%)"	C "in 26,400 (%)"
	a15 c321 Tra	115 Elongation factor - 1Aa :321 Translationally restricted tumor protein b038 a-1-antitrypsin	22 (2.2) 12 (1.2)	307 (3.5) 89 (1.0)	L L L
_	hm01b02 c13a04 hm02d02 tb042	Light chain of ferritin NADP(II) Menadione oxidoreductuse Ribosomal protein S11 Human RNP core protein A1	6 (0.6) 6 (0.4) 3 (0.3) 2 (0.2)	62 (0.7) 27 (0.3) 29 (0.3) 7 (0.1)	<u> </u>
	\$155 \$159 \$639 \$635	unknown unknown unknown unknown		2 2 - 0	5 (0.02) 4 (0.02) 3 (0.01)
=	\$170 \$154 \$167	unknown unknown unknown	-	o o o o	1 (0.004) 1 (0.004) 1 (0.004)
	s645 s647 s632	unknown unknown unknown		0000	1 (0.004) 0 (<0.004) 0 (<0.004)

Fig. 6

			Significant of the control of the co	a lamina							
cs	Ë	Chromosonnal position	Sense	Andisense	₹	9	Ξ	110	83	O	_
\$1000748	pm2366	_	CAGAGCCCCAGTACAACTAT	AAGITTATTGTTGGGGTCAG	1	1	1	101	9	-	1
910010018	prn2444	-	AATGGGACAGTTACACTTGA	Puri incompani incompani	;	:	= :	5	2	-	•
\$10010318	0470883	-	TOCACTOCATATOC	יייייייייייייייייייייייייייייייייייייי	?	3		200	3	-	-
0,001047	6661100		יייייייייייייייייייייייייייייייייייייי	ארשים וערררר וחשאותטרו	?	7.7	24	<u>.</u>	<u>0</u>	•	+
0,000		-	GICACICICAGCCATAGCAC	ACCATCTTCAGCCCACACTT	3	3	<u>.</u>	3	\$300	9	•
	Arma d	-	GCCCCTAACACGAGGAACTC	TAATITCCCACTCCCGTAAC	3	=	<u>•</u>	200	200	-	-
91110018	pm1731	-	GGGTTTCAATAGGGTGTAGACC	GCCCCAATCTGTCAAAACTG	6	\$8	98	9.2	01	-	-
61000	PK110609	-	TIGCTGGATTGTACTITTG	GGCTGAACATTCACTCTTTG	7	6	6		200	-	-
91001200	15C1mg	-	TAMBAMBACCCTTATGGAGACC	AATAATCITGGITAGICACITAC	7	3	.		ļ. ·		
91001318	pup885	-	TCAGGTCTGCTTGGAGGATG	AACICACAGCACAGTATIFIG	: \$	2	3	200	900	• -	• •
91001418	pm1518	-	AAGGTGTACAGGATATTTGCAGA	TGCAATAGCCCAATCICATE	; ;	2	: :	300	9	• -	
91001464	pm1439	-	CCAAAGACCTCCGTTGAACA	TITGGGAGAGCCATAGACAG	: 5	1 2	2	2	3		
87710018	pm0427	-	TACTCAGTGGAAAGATAAAC	CACTOCACCACATTCACA	; ;	3	3 8	3		- 1	- (
12510018	pm2785			THE PROPERTY OF THE PARTY OF TH	? :	9	5	. ;	. ;	~	~
0,000/55	1000		establish to the second	וומאטואטאטאטאטווו	3	(7)	3	00.	200	-	-
	12991111	•	CCAGAGAGITCAAGGGAITG	GGTACAAAGTGCAAA1GACT	9	3	3	28	155	-	-
2/5/0018	P012004	-	CCAACATGGTCCTAGCACTG	AAACTITATIGCAGCITCIT	‡	8	53	, 200	200	•	•
02100013	9m1350	~	CATGATACTCTTCGGTGGTA	AAACAGTAGITGCCAGCATI	9	ð	801			-	-
910010018	pm1730	~	AGGCTGAAATGTGGCATGCT	CCCGTTATIGCTACATGTCT	9	113	113	6	115	-	-
1907 7018	1C60mg	~	AAAGCAATACAAAATACCAA	TICANTAIGTHAACCAGIA	\$	8	3		•	-	-
30,00	5280md	7	TAAIGTÁCÁCGATGAATAG	TAATGTAATAATGCAGGTAA	÷	99	9			-	-
91001213	pm2010	~	CCAGATGGAAAGGGAAGTCT	CTGGAATATGGAGAATCAAACAG	7	125	125	150	, 200	-	-
\$500155	S160mq	~	TCGAGTITIGICTCTAATAA	GGAMTMTCGCFICAGTTG	Ş	COT	103			-	-
6361268	prn2003	~	AGTCCTTCTTGGCTCCTCAT	TATCGTCAGTGCCITTATIG	25	~	7	200		-	-
\$1001134	prn2438	~	TTITGTACCIACGTAGAGTACTT	ATCCGTGCGACACATAGTGA	Ş	105	108			-	~
21110018	1691mg	~	TTATTAGGGAGICATIATICTGTG	AGTICCCATICITCCACATG	\$7	29	9	200	200	-	
6501453	pm1245	~	VIGETITECEGICICIAAGI	ATGTACAATITGCGTATGTAGG	÷	75	25	170	8	-	-
\$1510016	prn1216	~	ATCTACIGNTGTIGAAGIG	ACTGATITTGGTCCCATCTG	7	68	19			-	-
91000875	pri0119	•	CGAACATTCACCTCTCATA	ATGATITATITAGGCAGGAA	Ç	99	69		٠.	~	9
10010016	pn1758	•	TCTGGCTCTTTGGTGTTGGA	GGCCCACTGAGTACAATGTC	3	115	115			-	-
\$100151B	prn2434	-	AAAGAAAGCACACTGCCTAA	ATGTATAGACAMTCCAMG	27	8	8	•		-	-
91210018	pri0668	G	GTAGTCTCCTGCCCTTTAGC	AAGGAITTGATTITCFACAT	Ç		"			-	_
660127	pn1729	•	GGICCIGNTANTIBACAT	AAACAAGAGGATGGTTCAGA	\$	32	5/	155	, 200	-	-
61001306	pm1822	•	GATCCTTGGTGTGTAGTTCAGTC	CTGCAAATACAGGGAATCAT	9	æ	3	160	2	_	-
\$1110016	pur2509	•	ACCCAGTCCCAATCCAGT	ACACTECCECAGECETIACT	55	105	105	=	200	-	_
93601166	pm2455	•	ATCTAGGTGGCTGTAGTATT	Traagagatgaattrattggt	~	0(1	901	100	200	-	-
91650271	pan1252	~	GTCCTTIGCTATCTGTGTTA	AAGCATTTATHGAGGTHA	Ç	3	95	9.5	200	_	

Fig. 7

8100018	pm2256	-	2.10.12011011101101000								
55010016	Pm1151		OTOTAL PRINCIPAL AND	GITCAGTITTATTCAGAGCA	75	29	29	, 200	69	_	~
\$120015	pm0998		A A A A A A A A A A A A A A A A A A A	GICATATACCATCACA	•	2	9			-	_
91001598	pm2367	• •	ACAMAI I MAI MACAI MAGAI	TAGAGICAAAGTIGCCTGTG	Ç	3	001	3		-	-
81000993	pm0904.		ALCANDITION I GCITCA	CATCCCATCACATACAAGTC	7	911	91	200	8	_	-
P6300016	900 jago	n v	TCTCGTGAAGAGCAGCACAA	TCTANAGGAAGAACAGCATC	Ş	<u>10</u> 1	201	=	2	_	_
\$9010036	91C0ma		AGGAATGCCTTATCCACAG	CTAMBAGCITGAACCCTTCAT	Ş	(8)	9	> 200	200	_	_
10110018	pm2364	nu	CACCCAGATAATITACAGT	GAGACATAAGCAGGTAAGAT	Ŧ	230	130			_	_
19110018	pm(160	, v	HACCINCCGIGICITIAC	AGACAAATATCCCAAAAAGC	\$	6	61	100	\$ 200	-	-
15000018	prn2/20	n e	ATTERESTERACTA	AGAAATGGATGCTTTAITC	Ç	9	S	\$ 200	\$ 200	-	_
91001326	pm1154		Wildle And Clecifica	IGCATCCTTCAATGTCTTCT	=	2,	78	72	900.	~	
1001634	pm1216		CALIGAGACAGCAGCAGG	CCTGGCCCTCTCCTGAGTA	S	103	0.0	115	902	_	-
11001457	380	ø (TAGGCAAACACGAGAAGAG	AAGGAQC1GG1G1CAGGT1C	2	99	65	9	\$ 200	_	_
0,001523	201000	o (TATATGCAAATATTCCAAAGTCTG	TCTATATICTGGTCCCTTATCT	9	90, 200	8	, 200	2002	-	· -
52510010	1000	19 (Matacatatatcatca	TTAMMATGICATGGIAAT	~	θġ	2	\$ 200	8	_	_
3,001562	Pilo 18		GCACCTAAGCCTCCCAAAGT	TITATATCAGTCCAAGAGC	Ş	138	138	200	\$ 200	-	_
0,00007,	610900	•	TCTGCATTGACAAGGACCAC	TITGAGATITEATGAGTCAFFC	Ç	62	62	200	Ş	-	
5710310	i de Come	~ '	GACCTGAAGTGTGAATGAGT	AACTTAGCIT/TATGGGATFT	÷	911	611	, 200	٠.	-	. ~
69710510		~	AGCCAAACTCGGGGTCATCT	CCACGGGACAGGTGAGTCAT	98	159	155	511	200	-	
600100	STORUG .	,	AATCATTTGGCGAGACTGTA	AAGACACTITATCCAGACA	Ş	9	1	961			
	2011mg	^	TCAGGCAGTCTGCTCAGATA	•	;	~	3.6	000			
20103	acuta de	•	AACAGIATIGCGTTGICAGACIAG	TCCATTAATAAGGCCAGTCTTCAG	7	10	8				
	pun2527	o	TIGCCTCTÁNIGGIGTCTAC	AAAAACCAGAACACACTAAG	2	: 6	ંડ	: :	2 9		
00000	Pu2708	9	TGTATTGGATTTGTC	CAMAGCAMACAGCAGATA	:	56	5	:	2		
007000	5000md	6	TTGCCATCAAACACATACA	CTIGITAGETITETG	: ;	: 3	; ;		;		
500000	prn0959	10	TAMAGANICACCCICATIG	CACATGCTIATTGGAACACT	7	: :	; ;	. :			
7511001	prin0547	9	AAGTATTGTGCAAAGATGTA	AAGAAAACACIGCCITGIGG	· •	. F.	: 5	2002	, Š	- ^	
10000	S+2210d	9	TGTGAATGCTATCTCTCCT	GCAATCGTTTCCATATCAGT	7	8	2	900	000	٠.	, .
977001	pm2664	= -	ATCAMACAACAATCCAGA	ACTATAATATACTGCCAACT	?	3	2	? ?	3	٠.	- ،
\$100°	pagoud	=	GAATAGCTTGGAGATTTCAC	GGAGAATCATACCITCAGCA	9	8	3	7	36		
5151007	pmatts	=	AAÁGTGACCTTGATGGACAGTGG A	\ TCGAGCCAAAAIACAIGCIGACT	3	. 153	153	, 200	160		
1001469	pm2943	= 1	AGGGTGAAGGGTATTFTACG	CACATCATGGTTGAGAGCTA	7	6	ů,			. ~	. ~
963193	eccond.	=	AACCCTCTAGTAAGGCATTG	TATTAAACCAAATCCAGTA	6	7	•	125	5		
6,6003.0	ole 2 md	=	CTGTAAGGTTTTTGGAATTATGT	TITCATITTICIACCAGAIFIAIT	45	75.02	3,5	ž	2	. ,	
6/2000	pux0266	2	AGTGTATGGAAGACCTTGAG	GTTCATTGAAACGGTGTAGC	=	9	: :	2 3	3	, .	• •
1901197	pm2756	2	TCTCCCTATTCACAACCAGT	AATGATTTCGTAGGATAGCA	2	3 3	3 3			-	•
1001193	pm(19)	13	CACAGCATAAAAGAATCATA	ACCCTAATTTAGTTTCTCAC	2 4	3	3	3	2	-	~
4001235	pm2790	21	CATCATGGTACAGTCAGAAG	CAGTITOTOAAAATCAAAATC	2 :	3 :	9			_	_
1001274	pm1355	12	AGATGTCAGTATTCTCCTCATGC	CASTINICACAMINIAINI	Ŧ	6	28	6	B)	_	_
1001308	prio 366	21	CCAAAGIGCIAGGGTTACAG	Treateneralinent	⊋	A	ڇ	\$ 200	\$ 200	-	-
6510001	pm2645	: 2	CTAAGATITAATOCGATCO	I CAALAGACCI I GGGTTAC	⊋	591,26	50	> 200	> 200	-	_
-		:	הושמיווישעויורישוורר	AGTTAGTGTAFGGCAGAGGA	9	70.	104	200		_	~

Fig. 8

91001014	pm1659	2	Terasecriate								
91001290	1011mg	: 5	ייין אייין	AGACAGACITAIGCCATCTA	‡	109,200	601	\$ 200	8	-	-
9,001362	6m0118	: :	מינים ומינים ומינים ומינים ומינים	GCAGTTAATCATGGCTATTCTCC	S	153	122	\$ 200	<u>.</u>	-	-
93(0)156	79000	2 :	ACIGAAATGGAACATAGTCT	TACATFACATGACATTGTGA	2	5	19	98	10	_	_
98(1)000	Para de la constante de la con	2	TGCITAGCTITCCCTCCTIA	бабсаттствттеть	\$	67	6	٠			
600000	1000 und	2	CATGAACCTGCTCACGACAA	GCCITACTTIANTGCTGACC	15	5	3	200			
(9516019	Pinos41	2	AAATGAATGTAAATAGCACT	ATITAGTTTACAGGGAGAAT	=	2					
0,001564		-	GTTTAAGTFTTGATTTGGG	CATTCCACTCTACATTTCT.	Ŧ	~		200	190		. ,
0.001578	(acama	Ξ	CGTICCTAACTCTGAAATC	AATGCTCATTTAITCTCAAG	45	\$5	. s	200	200		
910010	Blocola Supplies	Ξ:	ATCACAATTACCTTTAGTTG	. ACGATAACTITATTGGAGAT	S	69	9				
04000000	222	2	TCCCCATCCTCAGTTGAAGT	TGAGAACAAAGGAACCAGT	≎	2	02	90	150		
0,001242	coanua	•	TTGGAATGGAACCCTTGCTA	ACITATGCTGCCTGAAATGG	48	79	.62	9		٠.	٠,
9001516	on text	9	CCCTTGTTTTACATGTTCA	TATTAAATICICCCATTCAT	Ŧ	105	105	6	2 29	٠ ~	
01001566	Chesag	9	ACAGTGCTAAAATCAAAGGTG	TCTGACAACTCAAGGTGCAAT	\$	2	02	200			
0000000	C I Sound	9	TTGTGTCGGACTATGTAAT	TCACTTITANTGGGAACCAG	Ţ	S	: 3	500	200	٠	
0,00,0015	/F1113/	= :	CTCTCCATGITCTCTACAAG	TAGAAGGAQAAYCIGIGGTI	\$	~	~	071	200	~	
91001156	#002 und	_	ATATTCACCTTCCCATCCAT	TCAANTACGTCCTCTCAAGC	ŝ	00	9	\$ 200	200		
	S and	=	CAGAMITAAGTGCAGCAAT	TCGTATCTGCATCTTAAGT	\$	6	001	200	200	. ^	
10000	pm2117	1.1	AAAATCITGIGGITAITTCC	GTGATTCFACTGFACATTGC	Ŧ	9:	=	\$1.1	200		
ior ions	pra1878	=	TAMPITTGTGGAMATCTCTTGGA	ACACATITGGGITIGGTITAAC	;	901	2 9	ž	g a		
917000	prin0514	~	TGTGACAGCAGCTICAT	TCGTACATITTAATICCACC	5+	128	2 2	; .	: -		
957,000	pm0538	2	CATCTCACAGACAAGGAAAC	ACCTAAGAGICCAGAGAAC	9	g	9	9	. 200		
60000	Pun2212	<u>~</u>	TGACTGCAATAAGGAGTTGT	GAACATACCACGITTATTICE	9	g	ã	. 091	200		
250000	pui0612	<u>-</u>	GICTICAGCAGAITICAGGI	ACTITCTTCTTGAGGACACA	\$	99	2	999			
8/01/01/0	pu1015	61	TGTGTTCTCCAGCTTGTAG	GITACATTGCCITGGTACAG	67	59	9	900	. 200		
11735	pun0289	61 .	GGATCAGACCAACAGTGCTG	GCAGGIAIAACAGATIA -	9	3	3	3	3		
0,001467	pn1688	61	GAAGCCCACCTGCACCTCA	GGAGAGTAFIGGGGAACGGT	: 3	3 6	3 3	900		- ^	
89010018	pin1879	20	GCCATGCTTGTAAAGTGATGT	Tragasccattagctaggata	2	97	9				
8901004	pm1146	2	GCCCITAGGAITCACIGCIC	ACCACCCAAGGTCTITCAGG	\$2	9	.00	180	200		
8000000	21 loud	Ŗ	TGCTGGATGACTICTACACG	TCCCTATCATGGCTGCTGTT	ç	3	65	\$11.65	5		
82110010	Wn0332	2	CTGCTCGGCTAGTCTGACTC	CAAAIGGICTAAGAGGACAT	ş	135	5	3	94		
251000	pm0647	2	TCTGAATGATGGAAACA	ATCCTAGTCCCAACCCAGTA	27	109	5				
97.000	*// und	2	GGAGCCACATGGATTGATTG	AAATGTACCCCTGGCACCTC	52	124	124	200	200		
	pm1235	2	AGCCATCTGGTFATGTCTTA	GGAGCAGAAIGAAACTICAC	;	S	06	200	200		
/// (0)	Pm1701	ጸ	TCCATGGTGTFAGAAGCCAG	CCACATCTCCAACAGGGAGT	54	142		200			
SECTIONS	pm2101	7	GTCAGCTCAATGCTACACAG	TTATAGIGCAACACAGAGI	4	2	5	3			- (
6001437	pui0618	77	CTCTGCTATAAAGTAGAG	ACANTIGGTICACTAAATGA	2	5	3	3 :			•
91(6003)6	. 2160ud	22	GGTGTAGTGTAACCATTTAG	AGITGCACCCATCTCTCTC	; ;	3	3	?	5	-	-
17710018	pm0911	23	GGTCTTGTCCCATCTGT	001010101000000000000000000000000000000	2	5	3	200	200	_	_
6,0001473	pm2231	22	TGAGCTGCACTTACCTGAGAG		₹ :	DB. Sa	65	001	521	-	~
\$1,000 12	pm2328	22	TACAGCCTCCAGCTAAAC		3	5	ă	3	35	~	•
				HALICIACACIACAA	3	ş	65	95	00%	_	~

Fig. 9

66600018	95 Jud	×	CTGCCATAGTTACCTGGATT	TCACCCACTATITAGGA	7	9	6			-	_
87110018	Pm2180	×	GGAGGGGAGATATAGATTGT	AMAMATCCAGAGACIGA	: 4	20	2	501	9		- ·-
19110018	pri10608	×	TICIAIAAGIGIGACCAGTI	GGAGGATTIGAGATACACAT	9	: 2	. 2	200	2		
90110010	Pa : 29	×	TAATGCCAGTGAATGTTGCGTAA	GTAAAGGITIATCCITGCATCAGA	; ;	: 2	3 2	3 5	: 2	٠ ،	
09110018	pan 2 2 8 9	91,7	ATCCTGCTGAAATACATCTG	GGGGAGAGACAFCACATGAC		2	: 2	9	3 2		
91001136	CTIQUE	1,2,12,13.7	GATCCOATGGGAGTGTAAAT	AATACAAAGCTAAACCACAA	;	3	63	2	١.	_	
5001405	prn2272	1,2,3,5,8,12,14,17,X	TIGGAATIGACATTCTCTAT	Traitglacaact	Ç	001	000	25	132	~	~
000001	T COM	1,2,6,X	TATCAAGCTGAAAATGTCAC	Tracigamiccagegaacca	÷	5	0	01		-	-
01000140	Pari 46:	1,3,4,5,1,16	TCCMATGAAGAAGGTGTTA	AGITGACAGCCAGGTGAATG	2	90	96	001	901	_	•
become.	pml 561	2,20,21,22	GTCTGTCAAGCCAAGATTCA	TITITATIGNIGCICCAAGI	77	9	011	021	0\$1	_	_
91000336	pm5/86	2,4,5,10,12,15,17,20,22,Y	_	TATATGGITGITACACICG	Ç	3	5			~	4
701002	Cagona.	2,5,14,0	GCCTTGTTATTTCACCACTC	ATCTCCCTTGCTCCAGTTA	9	95	82	• 200	~	-	_
26110010	201 mg	2,9,12	TCTGAGGACATTCCAAGACAG	CAGTCAMACCAACACGGTAT	Ş	96	9.6	6	3	-	_
01200030	pru[78	2,9,13,17,X	TGCAATAAAGGGAAAGACCA	CCGTTGTAGGTGATGAAATG	Ç	22	9	\$ 200	\$ 200	_	~
81600016	2880md	x'02	GICATTIGIATGCAATTICC	ACATTITITITICAACG	î	\$	Ş			_	~
F0110016	Pond 45)	3,10,15	CATGTACTCAGAGGCACTTC	GCAACTACAAATCCCAAACT	3	2	133	\$ 200	951	~	~
1/000010	pn2651	J.4.M	CAGGGACTGGAGCAGGAAAG	GATTFACCCATTAGGAAGC	3	9	101	9	99	~	•
927 100 4	pu15632	9'0	Traggaaatatggitagacag	ATAGTAFIGGGFIGACACAGTA	\$	3	99	\$ 200	130	-	_
180 000	Z	3,6	TGGATITGCFFTACCITGIT	ACACCCTCAGGAGATGTTAC	7	ន	S	95	\$ 200	-	-
2,00001	Pm225	3,9,10,15	GCACIACAAGCCAAATCAGA	CFFCTFACACCAACAGCAG	3	96	90	, 200	521	~	01
\$1000003	pm0628	9,4	GGATTICIATTIGCIGICAL	GITTATTGTACGGCATTTAC	=	105	8	\$ 200	200	~	-
21210015	25. 12.	6,20	GCATTAAACAGGAAACAATA	CTGTCCATGTGGCATAAACC	ţ	=	91.	501	10,	-	-
210000	pm0606	7,16	AGATGCTAACATTAGGGATA	TITTAGACATACAGAGGAGT	Ţ	ā	-	103		-	-
13.5	Pm1 253	11.0	CCAGACTACAGGCTGATGGC	CCCTTACCCCAGCACICIT	3	75,130	3.5	\$ 200	, 200	_	-
35001357	Prioris	77'6	ACCAATGTCACTGCTTCTAAATA	CCCATAATAAGTGAAGAGGTAGTIC	2	125,155	131	135	300	-	-
198180	pring 458	10,15,22	AAGAAATTGTTTACTGGATE ·	Yrate i gaaggaaat	3	101	101	٠		-	-
301656	pn2450	10,15,22	ACTACCCTGAGATAITAGIT	TICALITATITIGATTAGTTGA	9	3	100	2		-	-
7.000 to	pn2303	N.:	ATACCACTTCCGCTGTCACG	GAGGAGCGTCYACTGGTCTT	3	73	:	13	\$ 200	~	2
1000	pn2613	12,19	GCACCAAGAAGCAGTICCAG	TGGGAATGAGAAAATAACT	â	£	63	=		-	~
100010	C(/2)wd	12.11	GATCTCAGT[CTGCGTTfA1T	TACATACAAAGATGCAAACAGT	Į	3	3	7.9	68	-	-
1901001	pm2725	91,C1	ANTENTARGACITICE	GTCTCTCTCIGATGGCIGA	4	29	9	135	180	-	-
9/6003/6	pm2780	14,16	AACCTGTTTACCGCATCTT	AGG1'fATFIGTCCACCAGAA	9	3	83	200	, 200	-	_
\$601001	pm1683	17.20,C	TGT/GGT/CACCAT/GAGAC	AGAACAACACAI CAAAGAI GC	9	3	9	200	8	-	-
11(0)181	prn1748	17,22,Y	GAATGTCATCCAAGACGTAG	CTAGTTATATCTGGCTCTG	Ŧ	8	ō	\$ 200	200	-	-
9:5550	pm0964	13,6	TITATCCCAGCAGCACAAC	TCTICCICTICACTCTCCTC	Ş	21	130	200	2	-	=
PO01369	prn2217	2,6	ACTIANAGIAGCITTGIACG	TGCCTCCTGGTCTGATAATA	Ş	38	98	200	95	_	_
p. 83.440	pm1213	18,0	CCCCAGTTAAAGATTATTGT	AGTGACGATGGAAGGATGTA	Ŧ	6	26		85	_	-
121001	poil 118	02,61	TGCAGAGTGATTITCCAGAG	CGTAGGICATICITITCAGC	9	32	72	160	65	-	_
6001001	pm2624	19,22	ATCCCTCTGTCTATTCACAC	GCTCGTITAACTCACTTCAC	÷	911	9	00.1	0/.1	~	~
2/11/25	pri0887	19,22	GCCTGCATCTGTGTTACTT	AACCTCTGGGAACAATCAT	2	5	58	991	9	_	_
									•		

Fig. 10

Ş										
	υ:	AGGACACAACACCAGCTAT	THTCTGATTAIGACATGAC	¥	;	;				
	ŧ 3	Afcrettgragcarccra	GTIAAAGTOCTGATGCCATT	; ;	24 100	۲ 3	· ·	s 20	-	
	: 2	GYCCAGGCATTGACTACC	ACAGACAAGGAATAATCATA	15	96 901	3 =		3 3	- .	
	2	ToronaliceAccetAc	GCCACATATTAGAATCCATC	46	Z	=	34 ,200	. 8		
	MIC	GCIAGAAGAAGCGGGG	TFTAACAGICAATAAATACATGTE	‡	0	9 -	01	90	• •	
	PI'C	CACAAACAGCAAACTICAG	CHACTCGATAGCCAGGTC	9	3.2	25		22	· -	
	Mic	TCCACCCAGAGAAGCACACA	AIGHINILLIATCAGAITG	=	3	Ca	82 63			
	M,C	TCGAGAAGGACAAATCACC	AATTCATAGGGAATAGGTTC	2	75,130	15			2	
	74°C	CATGAGGGTACGGAAACAC	OVACAGGGITAGTCCATTCG	2	90	20	58 58	_	-	
	N, C	AAAGCATCITAAGAAGA	AGGAGTCCGTGGGTCTTGAG	15	70	7	94 084		- 2	
	M,C	GCAGCAGATACCTITACACC	GGAGGACTCGCTTGGTCTTA	₽	110,>200	0 =	011	•		
pmd268	MIC	GAAGGICITGIGAGGAAAGA	TO THE TOTAL	5	103	105	102 102	~	, 5	
Mn2703	11,0	AGGATATTGATAGTGAT	CAGACCCCATCTTTATACC	÷	2	20			: -	
Pari 1 44	24,0	AGATGAGTGTGGTGTG	ICAMACTIFAATATATGCT	Ç	0)	8			٠ -	
M112250	Mic	ACTGGTGATGGAACGTTCAGA	CCATTCCIGICATTCCAGIT	25	135	1 11				
Prn1626	2,52	GAGGGGTGGGTTACA	CCACAGIGAGCACCGICE	\$	55					
PKI12109	Mic	TATOLOGICALICATION	CTICCETTIGGTCTTTCTGT	2	100				• •	
ph 1240	7 T	ANGICAGAGATICAGTAAGT	ACATGTÄTTGATAGTGTT	2	0					
Pun1131	N.C.	ACTTABLECALCASCIG	AGTGAATAAACTCICCACTCC	2	130					
P(IID952	Mic	AAG AGA CATTOCOLOGICAL	ACAACAGCAGTCAAATAGAA	\$	10				٠.	
Pm2216	1810	AICIGCATOACCEAT	ATCATGGCAGAIGGCAAGGA	2	25	68	68			
PHI0956	MIC	ATOGETTATOGGGGGGG	CGITCTCTITIAFITGACAT	ş	001	901	100	_		
Pm2626	13,0	ACATIGOGGATORO	GAGACCAAAGGCACTTCTTA	\$	00	22				
012 luc	, M.C	TOTTOACATCCTTAGAA	GGACATTCTAGCCCACAGC	3	75,55	. 25	25 75	-	~	
6010010	MIC	GCCACAGAGACATCATCCT	YOU CALLET ACT CALLET	9	ş	9 50	88 88	-	2	
ZH 50 45	No product	CAACCAGTTAGGGTGAAAGT	CHIMAI AUGI GCT CTGGTG	3	90	96	90 99	-	-	
100 Jun	No product	CTTGGGATATTTCTTCAT	Controllering	\$	6	0)		-	-	
Pro0804	No product	AGCCAGCCTCTTGTATGTG	CYCOLINGOLACI I I CIATO	Ç	3	9 09	. ~	-	~	
(191um	No product	TGTGGTATGAAAATATGA	CIGGAIIIGAIITCAITAG	ţ	6	· ~ ~	~ :	-	-	
pm2000	Ho product	CAGTAGTGTGTTGTATATC	TATEMERAGACACCT	Ç	83	76 76	300, (1	•		
Pm0361	No product	TACAOCCOTTOTACA	ITTGTGAAATGTGGTGT	Ŧ	63		3			
Pm0849	No product	TACATOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTO	HEAGCATCAAGGAAATCT	:9	03	62	, 200			
om1284	10 product	ATCAGACCE CATCO	TITICAMMCTITIANTCT	9	99	86 >2	500 100		٠.	
909 I W	No product	GATOTTOACCOTTACTOR	ATMTGCCTCTTGCATGGTC	Į	6	9 /9		• •		
558000	No product	VIOLUCIA I CONTRACTOR I CONTRAC	HGCAGTICAGCTITATIC	ŝ	ž.	3		• -		
	1	CATCHEIGHICCHITICACA	TITATAACAAGACACATAC	96	\$. ÷				

Fig. 11

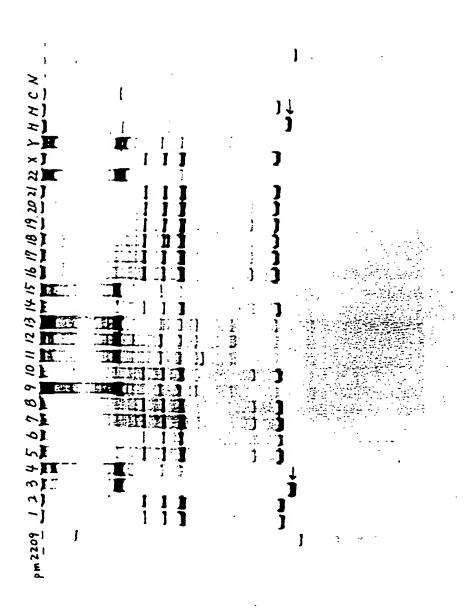


Fig. 12

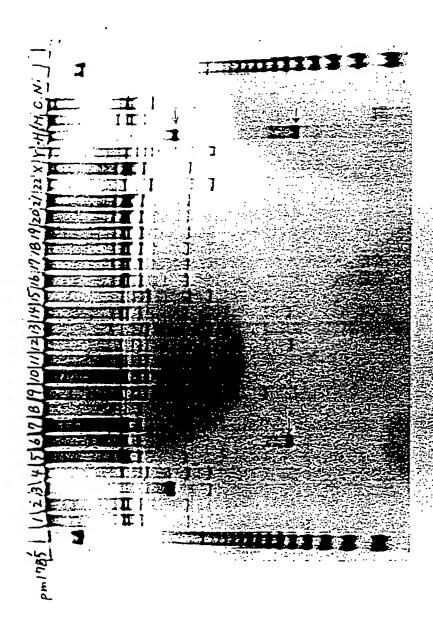


Fig. 13

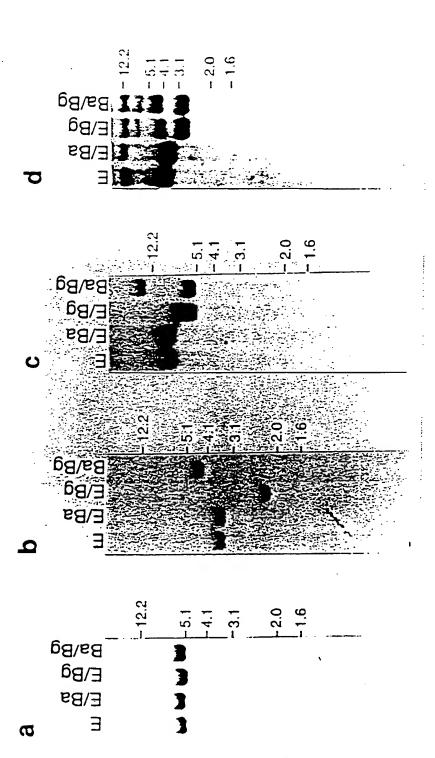


Fig. 14

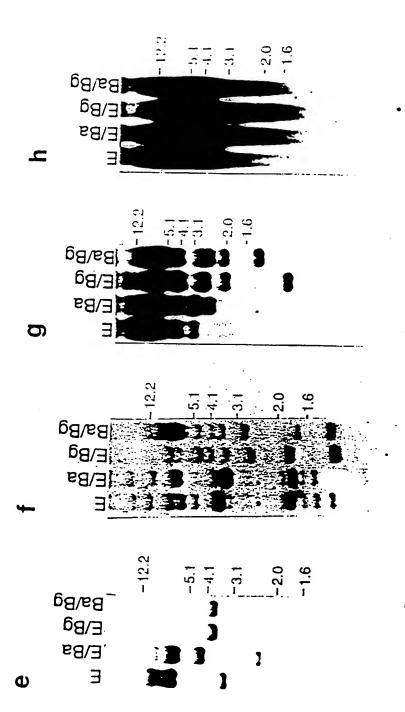
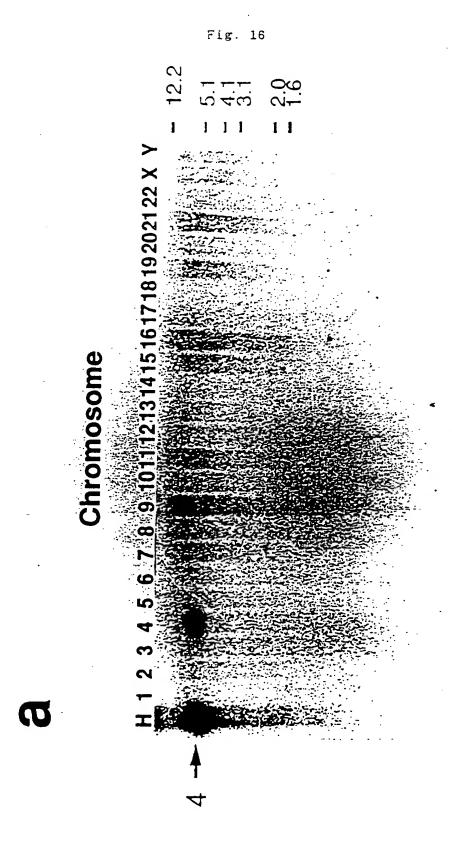


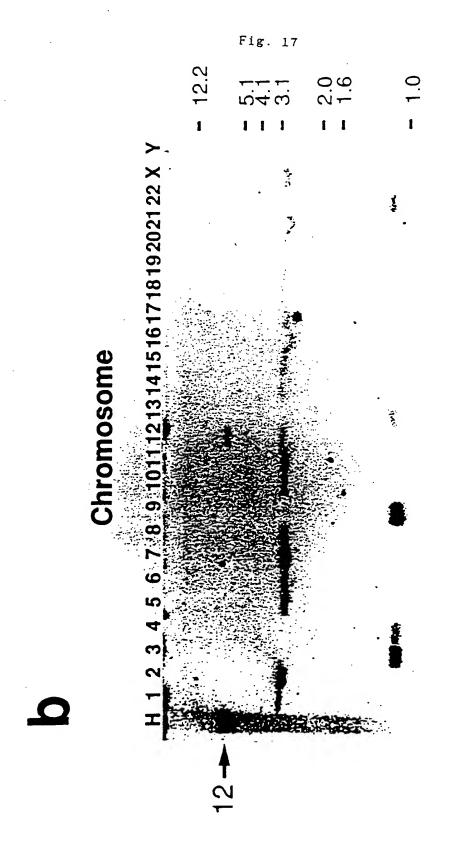
Fig. 15

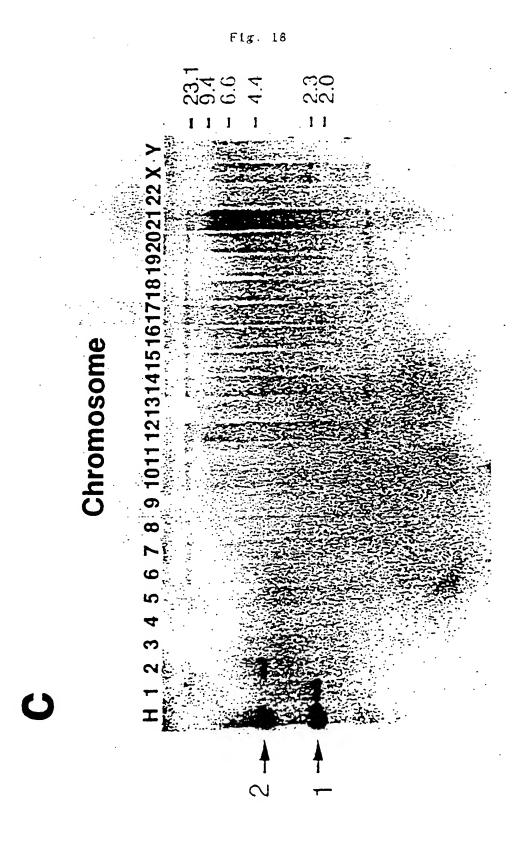
Hybrid cells used for Southern hybridization

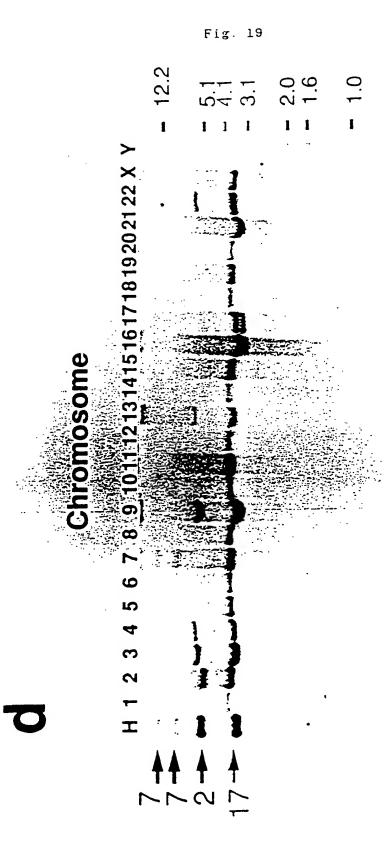
	uman omosome		Intact cell chromosome (%)	Translocated chromosome (%)
A9(neo-1)-4	1	A 9	100 (0)	0
A9(neo-2)-!	2	A 9	93 (8)	0
GM 10253	3	CHO	100 (0)	С
GM 10115	4	CHO	100 (0)	0
A9(neo-5)-4	5	.49	40 (0)	90 :
A9(neo-6)-3	6	<u> </u>	100 (60)	0
A9(neo-7)-2	7	A 9	100 (89)	0
A9(neo-8)-1	8	A 9	9! (82)	0
GM106!!	9	CHO	79 (5)	1.1
A9(neo-10)-	0 1	A 9	94 (6)	75
A9(neo-11)-	11	A 9	24 (0)	76
GM10927A *	! !-	CHO	96 (2!)	4
A9(neo-12)-4	! !2	A 9	0 (0)	100
GM10868 -	12	CHO	82 (6)	0
GM 10898	13	CHO	82 (0)	į 0
GM 10479	14	3 T G	76 (29)	0
A 9(neo-15)-2	. 15	A 9	9 (0)	78
GM11418 *	15	CHO	62 (0)	100
GM 10567	16	A 9	69 (0)	0
GM10498	17	LTMK	80 (10)	0
A9(neo-18)-5	1.8	A 9	100 (66)	0
A 9(neo-19)-1	19	A 9	92 (23)	S .
A 9(neo-20)-3	20	A 9	8 L (5)	ι 7
GM08854	2!	A 9	81 (24)	0
GM 10027	22	CHO	93 (0)	100
GM 10324	х	A 9	61(10)	0
GM06317	Υ	CHWIII	03 91 (0)	9 .

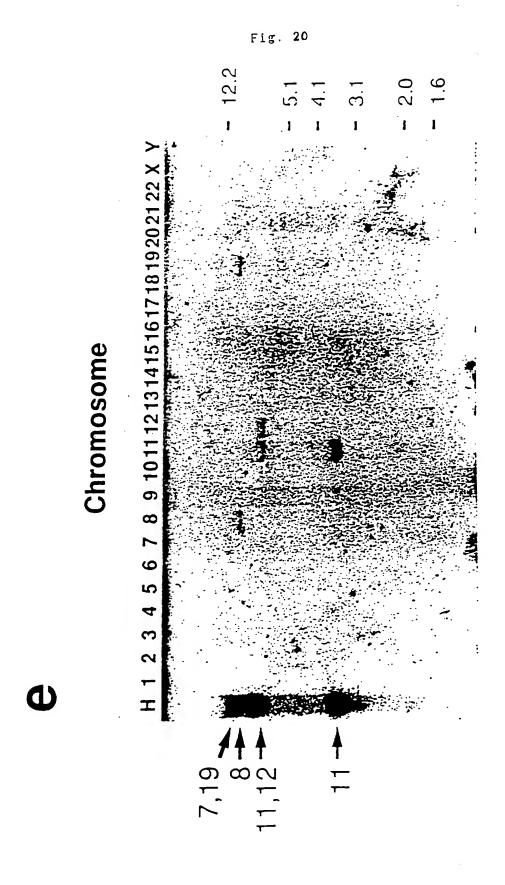


EP 0 679 716 A1









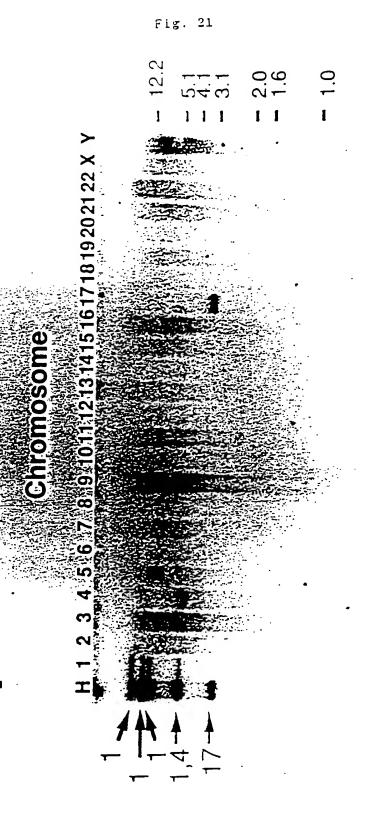


Fig. 22

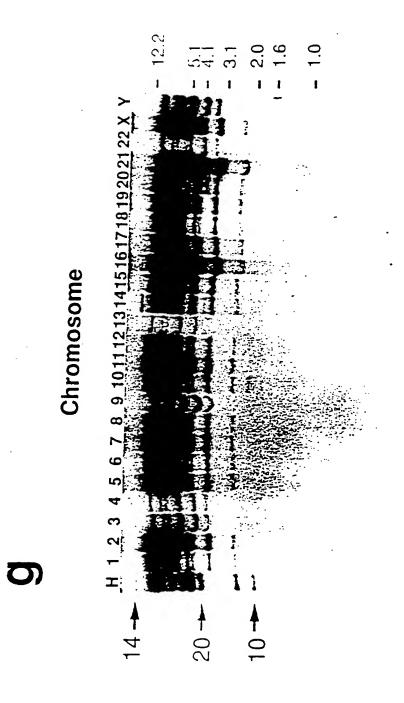


Fig. 23

Chromosomal mapping of each GS by Southern blot technique

Numbers with huma	of band an whol	s dete	c t e	d omes			Chromosomes assigned	Bacl	kground
Clone		equence length	e		E/3 ;	8a/8g	•	Mouse	Chinese hamster
Single ban	d group						<u> </u>		
clicli	C3000073	432	ι	I	Į	ı	9	0	0
c!1c06	GSG00062	: 540	1	:	1	i	á.i.i	0	o
c!2;0i	GS300290	2!2	ı	i	į	į	2	1	!
c!3c95	GS000117	359	į	ı	Ī	:	! i -	0	a
c:3c07	G3000120	355	1	:	į	!	2	C	σ.
e13610	GSC00206	257	i	ı	i	ι	1 4	0	0
c13h01	GS000279	133	ı	i	1	ŗ	12÷	O	0
c13h02	GS000322	167	i	i	1	Ĺ	á	e	0
	G3000322	397	i	i	1	i	3	0	0
d0g02 d0h07		313	ı	1	i	i	1.1	!	ī
41510	C2000349 C2000124	153	i	ı I	ı !	i	20	ā	ò
	CS000223	246	i	t	i	i	¥7	ā	C
hm0lc09		157	٥	t	i	i	i	ō	٥.
hm0!cl2		394	ι	i		i	17	Ċ	o
hm01(05	• • • • • • • • • • • • • • • • • • • •	454	i	i	i	i	19.22	0	0
h:::01:10		173	ò	i	i	t	10	0	0
	GS000233	477	1	i	i	i	á	Q	0
		363	1	ı	i	<u>i</u> ·	12	0	o
	GS000115 GS00G130	344	i I	ì	ı I	i	4	ō	ō
		_	-	i	0	0	10	ā	ō
	GS000329	164	l	-	i	i i	15	0	ō
hm02c01		271	l	!	-		20	0	Ö
hm02c01		590	i	1	l	Į.	- ·	a	0
tmC2=02		156	0	i	i	i .	14	0	0
hm02=05	20110101	223	Į	I	0	0	n.d.	0	0
hm0Zg02		273	I	l	I	i	1.7	-	=
hm05±05		219	Į	Ī	I	ŧ	á ·	2	0
h _i m05a10	junk	392	l	ı	ī	ŗ	Į.	Ţ	1
hm05c10	CSC00009	606	Į	į	!	ŧ	1	0	0
kmd0l	junk	169	ŧ	t	I	0.	n.d.	0	0
\$105	C2000001	703	ι	E	I	I	5	0	0
2110	C3000057	471	ı	ι	Į	ι	3	0	0
sildil	G\$000307	#175	0	0	0	1	7	0	O
104112	C\$000253	204	ì	t	i	l	3	0	0
s147	C3000060	46 I	Į.	Į.	į	0	2	0	0
sl4c0ó	junk	639	ŧ	ı	1	l	ı	0	0
\$14gG2	C2000 (33	322	i	ŧ	ι.	ι	4	0	0
s14h12	G3000271	193	ŧ	t	ı	t	٤	l	i
s 1 5 Q	G2000143	330	i.	l	I	ι	ι 7	0	0
s l 56	C2900005	306	t	t	i	t	2	ı	t
stSbii	G3000250	221	ŧ	l	f	1	1 4	0	0
2179	G\$000275	196	t	t	ŧ	l	a.đ.	0	٥
:246	G3000224	241	ι	ι	t	I	9	0	0
\$247	C3000347	153	ı	1	ı	t	t	0	0
:270	junk	135	ı	t	1	t	19	g	ο.

F1g. 24

	rs of band numan whol				s		Chromosomes assigned	Backg	round
Clone	s	equenc lengt		E/ 9	12 E/3	lg 32/3g		Mouse	Chinese hamster
±306	C3300256	205	ι.	t	0	ι	×	o	0
s309	GS000171	302	ı	t	. 0	ı	I	O.	0
s342	C3080323	165	ı	t	t	t	4	3	2
1331	G300295	207	1	ι	0	t	6.15	1	1
:334	£91000£9	312	t	1	ı	ı	ı	a	o
£337	G3000276	195	ŧ	ı	I	ι	17	o	0
:339		130	1	ŧ	t	ť	a.d.	0	1
5443	G3000330	251	I	į		ŧ	a.d.	Q	0
\$470	junk	251	1	ŧ	1	1	17	0	0
5474	CS300192	273	i	ľ	ī	ι	5	ā	ā
s 5 0 3	junk	312	i	ī	ī	1 -	12	0	0
±507		600	i	i	ī	1	i	2	ı
±517	GS000334	161	i	i	i	ī	14	ī	i
s632	iunk	537	i	i	i	ì	2	à	ō
1633	C2000f88.	311	i	ī	i	1	12	2	i
:510	C2000041	644	i	i	i	i	12	ī	i
	04 65000025	537	-	i	i	i	3.7	à	o
	19 65000218	255	i	i	i	i	17	ō	Ö
	32 junk	250	i	. 1	i	i	5	ō	0 .
	37 GS000237	235	i		i	ī	2.2	ā	ō
	ız junk	391	i	ì	ì	i	3	i	1
• •	3 C3000098	173	i I	i	i	I	14	ò	ò
	6 C2000133	339	ı	1	ı		11	a	a
Two band		337	•	•	•	•	• •	•	_
c!2f!		277	ι	2	2	2	t,	ı	[
c!3d0		503	2	2	į	!	2.	o ·	ò
	±06 GS000129	344	2	2	2	2	11,13	3	. 5
	207 G3000207	259	2	2	2	2	7,	ő	ō
	405 CS000207	243	2	_	_			0	0
		292	2	2	2 2	l 2	2.	0	a
	±03 CS000131	302	2	<u>.</u> 2	2	2	1,2 3.	ı	ī
	:04 GSJ00221		- •			2	' -	0	0
	:05 CS000146	253	2	2	2	_	3.	_	_
		332	2	2.	2	2	17.19.22	0	0
	07 03000043	503	l	I	2	l	3,	0	0
slido		205	2	2	,2	2	11,12	0	0
sligi	*********	255	2	2	2	2	6.	0	0
s124	C2000033	404	2	2	2	2	9.	l	ı
1144	C2000135	342	I.	2	2.	Z	1.7	0	0
\$14(03		243	1	2	2	2	2.	3	2
siSeO:	• • • • • • • • • • • • • • • • • • • •	439	2	2	1	2	6.	0	0
116609		420	1	I	l.	2	10.14	0	0
s17c09		223	2	2	2	2	14,	0	0
:231	junk	234	2	2	2	2	11,	0	0
:254	C2000532 C2000154	353	2	2	2	2	ı,	3	l
:255	•	239	2	2	2	2	11.	0	0
s 27 2	junk	195	2	2	2	2	10.16	t	1 -

Fig. 25

	Numbers with hu	of bands detected man whole chromosomes						Chromosomes assigned	Bac	Background	
	Clone		quenc Lengt		E/1	3: =/5	3 g 3 2 / 3 g		Mouse	Chines hamste	
	1121	C2300093	333	ı	I	2	2	16.	ι	t	
	s313	junk	1 3 2	2	2	1	0	20.	o	0	
	s317	C2300 F00	339	0	0	ı	2	14.14	ı	t	
	\$336	C2000F34	337	2	2	2	2	12.14	0	0	
	2533	CE0C0139	233	2	2	2	t	22,X	0	0	
	:339	C3000233		2	ι	t	2	17,	0	Q.	
	:394	GS000063	449	2	ι	2	2	13,14	0	0	
	:396 .	iunk	277	2	2	2	2	17,	0	ı	
	1455	junk	452	ı	2	2	1	4,	0	0	
	1456	CS000236	132	2	2	2	2	8,10	į	2 .	
	\$465	C2000501	274	1	ι	2	2	6,15	a	0	
•	1635	junk	250	ı	ι	1	2	9.13	ā	a	
	1639	CS000297	205	1	2	2.	2	2.X	ō	0	
	1656	G3000025	9590	2	2	a	2	6.11	0	O.	
	(w1-33	junk	352	2	2	2	2	t.	0	0	
	tw1-39	CS000L53	#321	2	2	2	2	17.	0	0	
	Lw 1-70	C33000E (441	!	ī	2	ι	11.	0	0	
	1w1-80	junk	453	2	2	ı	2	9.17	2	2	
	tw1-87	C2000129	316	2	2	2	2	7,	0	0	
Thr	ee band	group						•			
	40706	C2000030	417	3	3	3	ı	i.	0	a	
	hmÖSb07	junk	336	2	3	3	3	5.	ō	Ö.	
	hm05e02	C2000503	267	2	2	2	1	3,17,19	ī	1	
	£129	CS000107	378	3	3	3	3	n.d.	· i	i	
	s 1 7 3	GS000357	145	ı	2	2	3	2.	ò	ō	
	17110	GS000294	131	3	3	3	3	2,13,22	ī	ı	
	\$308	GS000412	633	2	2	2	3	· XX	i	i	
	340 I	GS000224	249	2	3	3	3	6.5.	ò	ā	
	1654	G3000045	491	3	3	3	3	1.22.	ō	0	
	t#1-82	CS000203-	257	3	3	3	3	13.	4	0	
Four	band g			•	•	•	•		•	U	
	c12:07	GS000154	320	4	4	2	3	5, 14,	0	0	
	c13a08	GS000055	508	3	3	4	4	2.7.7.17	l	2	
	c13c04	C2000 F08	#376	4	3	3	3	n.d.	o r	2	
	c13c09	GS000302	195	4	2	. 4	4	2,17,	7	2	
	1136	C2000160	315	4	4	4	4	4.X.	2	ĺ	
	:163		#613	4	4	4	2	4.4.8.20	3	-	
	£479	C2000130	293	4	4	2	2	7.8.11,11,12,19	0	l a	
	- · · · ·	or more	· . ·	-		•.	-	7,0,11,11,12,19	U	U	
-		G3000253	217	s S	5	5	2	27014		•	
	bc0 t	junk	374	12	12	ر 15	13	2,7,9,14,	2	0	
	hdiO	junk	361	4	4	4	1 S 2	1.2.6.	22	20	
	held	iunk	173	6	2	3	3	a.d.	12	6	
		GS000:205	176	9	7	5	ر 5	6.3,9,19,21,	3	3	
		CS000246	215	8	10	_		Χ.	9	8	
	- -	junk		9	6	S	5	n.d.	12	12 .	
		,	411	7	Ü	6	4	10,14,20,	_ 14	G	

Fig. 26

Numbers with hu	Numbers of bands detected with human whole chromosomes							Background	
Clone	Sequence length E E/				E/3 ₉	31/35	·	Mouse	Chinese hamster
hm02f09	G5000273	442	3	7	7	5	3,3,6,11,13,14,15,16	0	0
h:n05a02	C300096	373	5	6	4	6	2,3,!7,	3	3
hm05a04	C3000236	#239	6	ó	6	7	a.d.	8 -	S
km50l	junk	- 350	3	5	5	5	13.	14	7
\$11f06	C2000312	170	6	б	5	4	1,2,2,3,4,6,13,15,	O	3
s14701	CC3000407	252	12	1.1	10	9	1,5.9,13,	5	5
s173 _.	C2300031	397	5	4	5.	3	1,1,1,1,4,17	0	O
s 255	GS00G323	157	13	12	11	[4	13.	9	5
ようキし	junk	494	9	9	3	ó	a.d.	15	3
\$40á	C3300 [13	364	5	7	5	4	2,7,3,13,20,20	4	ı
tw!-46	junk	593	9	10	10	10	1,1,2,2,5,11,X,	3	5
tw1-63	junk	203	3	10	10	12	3,4,	17	11
Bands no de									
c13g02	C2300340	157	0	0	٥	0	•	•	•
hm0 te10	junk	232	Q	0	0	0	•	•	-
hm02411	GS000274	196	0	0	0	0	•	•	-
:323	GS000273	194	0	0	0	0	-	-	•
:359	C2000 F 3 3	279	0	0	0	0	•	-	
s511	żnui	233	0	0	0	0	•	•	•
s645	G5000012	#734	0	0	0	0	•	•	•
s 5 4 7	E0100020	360	0	0	0	0	•	-	•
s65:	junk	5 + 0	Q	0	0	O	•	•	

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